

# How to Budget for Your IPM Program

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## What to you want VS. what you pay for

- Integrated Pest Management
  - What level (Low, Medium or High)
- Outdoors
  - Athletic fields
  - Playgrounds, recreation areas
- Indoors
  - Kitchens, classrooms, teacher lounges
  - Other areas
- Monthly Contracted Service
  - Kitchens only - how much time spend
  - Specific applications (fire ant baiting, termite, etc)

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## What is High-level IPM?

- Pest Identification is used to determine all pest problems
  - Before you treat, you learn what type of pest you have
- Inspections and monitoring are used
  - The use of monitor cards to determine if treatments are needed at all times
  - Facility inspections are used to help administration to know pest vulnerable areas on all campuses.
- Sanitation and facility maintenance
  - All campuses adhere to IPM, IAQ and Risk management standards to ensure all areas are free from clutter and disrepair
- Education for all school staff
- Maintaining healthy soils and plants
  - Know when to add nutrients, not routine applications
- No routine application of any type of pesticide

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## Contract Out or In-House

- Contract Out
  - Use pest management companies licensed to treat for the pests and problems you will have.
  - Must have 1 Certified Applicator and carry insurance.
  - Rates will vary on what is asked in bid spec or RFP
- In-House
  - Requires licensing **employees** with TX Dept. Of Ag for either SPCS or TDA Ag
    - Initial 8 hour applicator class, exam (s) approximate cost \$300
    - Annual license renewal - \$185
    - Annual CEU training - \$75
  - Chemical storage facility
    - Insecticides, herbicides, fertilizers, etc.
  - Personnel protective equipment
  - Pesticide application equipment

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## Pest Control Company

- What does the contract call for?
  - Monthly visits/treatments/use of monitoring devices – what is their hourly rate?
    - How many campuses do you have?
    - What areas do you want them to cover
- What is the pest issue
  - Will they help you develop management plans and thresholds?
- Are some pests not covered (termites, bats, etc.)—how much \$\$
- Is there an extra charge for call backs
- Is communication with IPM coordinator required on regular basis?
  - Can they get you their service tickets within 2 business days
- Is there any training provided by PMP for school staff
- Should be able to extract a total dollar figure paid to a company in 1 year

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## Pest Control Company

- What type of pesticides are being applied
  - Types of Green Category products
  - Complete service tickets (who, what, when, why and how)
  - Follows threshold guidelines, no preventative chemical applications (except fire ant).
  - Supplies pesticide label and MSDS sheets annually
- What additional IPM help do you want from contractor?
  - Conduct annual facility walk thru's
  - Monitoring with the use of sampling
  - Threshold guidance
  - Training for staff
  - Routine meetings

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### School Costs – consider

- How much time do these groups spend on pest related activities, not including the IPM Coordinator?
  - Custodians
  - Maintenance
    - Facility
    - Grounds
  - Food Service
  - Secretary
  - Teacher
  - Administration
- Does this group also spend time on IAQ or Risk Management issues as well?
- What is the IPM coordinators role?

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### School Costs – consider

- Determine a cost for time spent
  - Hourly rate per person involved and # of hours spent
- How does the work order system function?
  - Who initiates the request and how does it flow?
  - Is pest management even part of the formal work order system?
- Who initiates the pest control contractor
  - What about call backs – when needed
  - Principal, secretary, maintenance dept., “chain of command”
- Who pays for pest control products
  - Does Food Service pay for certain services
  - Who pays for other chemicals used
- Who is responsible for posting 48 hours in advance for indoor treatments
- Is site-based management an issue in the district
  - Can custodians and food service personnel assist the coordinator

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### In-house IPM

- What are the costs for inspection, application, reporting, training, materials and supplies?
  - Who can inspect, at what frequency
  - Does the district have the adequate equipment to make the type of pesticide applications needed
  - Does the district have a good space for pesticide storage away from students and water.
- Are the current treatment practices taking care of the problem/complaint?
  - If the PMP is routinely applying cockroach bait stations and you still have a cockroach problem – you have issues.
- Can the source of the problem be addressed using education or other non-chemical methods?
  - If yes who would educate

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### IPM Program

- Must have a monitoring program
  - Can be done by PMP or IPM Coordinator
- Preferential use of Green Category products and document Non-chemical control measures.
- Recordkeeping
  - Inspection reports
  - Work orders that are IPM related
    - Be sure to add non-chemical controls or sanitation/repair needs that need to be completed by district
  - Pesticide applications
  - Pesticide complaints

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### IPM Program

- Plan for educating faculty and staff about the IPM program.
- Written guidelines for pest ID and thresholds to determine when a pesticide is necessary
- Procedure for notifying parents by first week of school about program
- List of people wanting to know about pesticide applications prior to use.

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### §7.150 (d) Pesticide Use In School Districts

- (1) Pest control signs shall be posted at least 48 hours prior to a pesticide application inside school district buildings 7.146.
- (2) For outdoor applications made on school district grounds, a pest control sign shall be displayed at the time of application and will remain posted until the specified reentry interval has been met in accordance with these rules.
- (3) Pesticides used on school district property shall be mixed outside of student occupied areas of building and grounds.

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**§7.150 (d) Pesticide Use In School Districts**

- (4) The use of non-pesticide control measures, non-pesticide monitoring tools and mechanical devices, such as glue boards and traps as permitted in accordance with these rules, are exempt from posting requirements.
- (5) Pesticide applications shall not be made to outdoor school grounds if such an application will expose students to physical drift of pesticide spray particles. Reasonable preventative measures shall be taken to avoid the potential of drift to occur.
- (6) School districts are allowed to apply the following pesticides to control pests, rodents, insects and weeds at school buildings, grounds or other facilities in accordance with the approval for use and restrictions listed for each category

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**Pesticide Applications**

- Only EPA labeled products or those that are 25(b) designated by EPA
- Consumer Information sheets are available to staff and faculty
- Posting signs 48 hours prior to all indoor treatments
- Posting signs outdoors as applicable for Green, Yellow, and Red Category

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BUSINESS NAME		ADDRESS						
1. Name and Address of Customer	2. Date Pesticide(s) or Device(s) Used	3. Pesticide(s) Used and EPA Reg. #(s)	4. Total Amount of Each Pesticide Applied	5. Device(s) Used & Total # Per Device	6. Mixing Rate	7. Target Pest	8. Service Address Where Pesticide(s) or Device(s) Were Used (If Different Than Item #1)	9. Printed Name & License # of Applicator
<b>1. Where are you – specific location</b>			<b>4. Total amount of product</b>				<b>8. Service Address</b>	
	<b>2. Date and for schools time</b>			<b>5. Device Used</b>				<b>9. Who made the application and #</b>
		<b>3. Product Used – Full trade name and EPA Reg #</b>			<b>6. Mixing Rate</b>			
						<b>7. Target pest</b>		

For detailed instructions see reverse side of form      Records must be kept for a minimum of two years      Page \_\_\_\_ of \_\_\_\_

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## Indoor Posting - Samples

**NOTICE OF PEST CONTROL TREATMENT**

District of planned Treatment: \_\_\_\_\_

Re-entry (if applicable): \_\_\_\_\_

Following Circumstances may require application treatment. To confirm treatment dates please call the contact listed below.

For more information call or contact:

\_\_\_\_\_

National Pesticide Information Center  
1-800-851-7738

A Consumer Information Sheet may be obtained from the management.

Pest Control applications are licensed by the Texas Department of Agriculture. Structural Pest Control license #01310247. Exempt from 1910.1047 (1)(2) 1910.1047(b)

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**NOTICE OF PEST CONTROL TREATMENT OR SERVICE**

District of planned Treatment pest management service calls for the \_\_\_\_\_

Company will be on \_\_\_\_\_

Re-entry (if applicable): \_\_\_\_\_

DDI conducts regular pest management inspections and services. These services calls may include inspection, pest exclusion, use of mechanical pest control devices, and occasional bait, dust, and pesticide spray applications.

Following Circumstances may require application treatment. To confirm treatment dates, please call the contact listed below.

For more information call or contact:

District IPM Coordinator:

\_\_\_\_\_

Licensed Pest Control Contractor:

\_\_\_\_\_

National Pesticide Information Center  
1-800-851-7738  
<http://npic.orst.edu>

A Consumer Information Sheet may be obtained from the management.

Pest Control applications are licensed by the TEXAS DEPARTMENT OF AGRICULTURE  
and NATIONAL PESTICIDE SERVICE  
11000 TAMU DRIVE, TAMU, TEXAS 77703-3499  
Phone: (713) 851-4235 or 800-851-8485 Fax: 1-800-251-2867

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## Outdoor Posting Samples

**CAUTION**  
PESTICIDE APPLICATION

KEEP OFF

THIS LANDSCAPE  
HAS BEEN TREATED BY

\_\_\_\_\_

FOR MORE INFORMATION  
PLEASE CALL

(800) 851-7738

**NOTICE**  
THESE GROUNDS HAVE  
BEEN TREATED WITH  
PESTICIDES.  
PLEASE DO NOT USE.

**PESTICIDE APPLICATION**  
PLEASE  
KEEP  
OFF

1-800-851-7738

**DANGER PELIGRO**  
PESTICIDES PESTICIDAS

**KEEP OUT  
NO ENTRE**

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## Green Category Pesticides

- Contains a CAUTION signal word on the product label, unless no signal word is required to appear on the product label as determined by EPA, and
- consists of the active ingredient **boric acid; disodium octaborate tetrahydrate or related boron compounds; silica gel; diatomaceous earth; or belongs to the class of pesticides that are insect growth regulators; microbe-based insecticides; botanical insecticides containing no more than 5% synergist** (and does not include synthetic pyrethroids); **biological (living) control agents; pesticidal soaps; natural or synthetic horticultural oils; or insect and rodent baits in tamper-resistant containers, or for crack-and-crevice use only;**

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## Green Category Pesticides

- Green Category pesticides may be applied indoors if students are not present and are not expected to be present in the room or treated area at the time of application.
  - Reentry into the treated area is permitted as soon as the application is complete, the pesticide spray has dried, or the reentry interval specified on the pesticide label has expired, whichever interval is longer.
- Green Category pesticides may be applied outdoors if students are not present within ten (10) feet of the application site at the time of treatment.
  - Students are allowed reentry into the treated area as soon as the application is complete, the pesticide spray has dried or the reentry interval specified on the pesticide label has expired, whichever interval is longer.

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## Yellow Category Pesticides

- Contains a CAUTION signal word on the product label, unless no signal word is required to appear on the product label as determined by EPA; and
  - it does not meet the criteria to be designated as a Green Category pesticide under subparagraph (A)(i) of this paragraph.
- Yellow Category pesticides may be applied indoors if students are not present or not expected to be present in the room or treated area within the next four (4) hours following the application,
  - or until the reentry interval specified on the pesticide label has expired, whichever interval is longer.
- Yellow Category pesticides may be applied outdoors if students are not present or not expected to be present within ten (10) feet of application site
  - and the area is secured and reentry is in accordance with these rules for no less than four (4) hours, or until the reentry interval specified on the pesticide label has expired, whichever interval is longer.

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## Red Category Pesticides

- Contains a Warning or Danger signal word on the product label, or state-limited or restricted use pesticide;
- Red Category pesticides may be applied indoors if students are not present and are not expected to be present in the room or treated area
  - within eight (8) hours following the application, or until the reentry interval specified on the pesticide label has expired, whichever interval is longer.
- Red Category pesticides may be applied outdoors if students are not present within twenty five (25) feet of the application site, the area is secured in accordance with these rules, and
  - reentry by students is prohibited for no less than eight (8) hours, or until the reentry interval specified on the pesticide label has expired, whichever interval is longer.

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## Justification forms

- Approval for Use: Yellow Category pesticides require written approval from the certified applicator prior to their use.
- Approval for Use: Red Category pesticides prior to the application, licensees must provide written justification to the IPM Coordinator for the use of the red category pesticide and must obtain signed approval for the application from the IPM Coordinator

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## New Justification Form

**PESTICIDE APPLICATION APPROVAL FORM FOR SCHOOL DISTRICTS**

Description of pest problem: \_\_\_\_\_

Justification for use: \_\_\_\_\_

Application Site: \_\_\_\_\_

Name of Pesticide: \_\_\_\_\_

EPA Registration #: \_\_\_\_\_

Category of Pesticide  Green  Yellow  Red

Green Category pesticides may be used at the discretion of the licensee. Approval may or may not be necessary, depending on School IPM Policy. Use of Yellow Category pesticides requires written approval from the Certified Applicator. A copy of this approval must be sent to the IPM Coordinator within two (2) business days of application. Yellow Category approvals shall have duration of no longer than six (6) months or six (6) applications per site, whichever occurs first.

Use of Red Category pesticides requires written approval from the IPM Coordinator prior to application. Red Category approvals shall have a duration of no longer than three (3) months or three (3) applications per site, whichever is first.

If Incidental Use: \_\_\_\_\_ Date: \_\_\_\_\_

Approval of Certified Applicator: \_\_\_\_\_ Date: \_\_\_\_\_

(If applicable)

Approval of IPM Coordinator: \_\_\_\_\_ Date: \_\_\_\_\_

(If applicable)

Forwarded to: IPM Coordinator Date: \_\_\_\_\_

Approvals shall be kept by the Responsible IPM Coordinator with the pesticide use

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For More Information  
<http://schoolipm.tamu.edu>




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