
This survey should be completed by the person(s) most responsible for pest management in your school.

1. Which below describes your job title(s)? Check all that apply

   a. School Maintenance Supervisors/Facility Manager
   b. Maintenance/Custodial Staff
   c. Food Service Director
   d. Superintendent
   e. Teacher
   f. Principal
   g. School Superintendent/School District Administrator
   h. Integrated Pest Management (IPM) Coordinator
   i. Other: please specify__________________

2. What is the setting of your school? Check one

   a. Rural
   b. Suburban
   c. Metropolitan

3. How many students are enrolled in your school? Fill in the blank.

   Number of children enrolled: _____________

4. Which of these pests require routine annual management, require occasional management, or are never a problem indoors in your school? (Please circle your answers)

<table>
<thead>
<tr>
<th>Indoor Pests</th>
<th>Routine, annual pest</th>
<th>Occasional pest</th>
<th>Never a problem</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ants</td>
<td>Routine, annual pest</td>
<td>Occasional pest</td>
<td>Never a problem</td>
</tr>
<tr>
<td>Cockroaches</td>
<td>Routine, annual pest</td>
<td>Occasional pest</td>
<td>Never a problem</td>
</tr>
<tr>
<td>Fleas</td>
<td>Routine, annual pest</td>
<td>Occasional pest</td>
<td>Never a problem</td>
</tr>
<tr>
<td>Flies</td>
<td>Routine, annual pest</td>
<td>Occasional pest</td>
<td>Never a problem</td>
</tr>
<tr>
<td>Flour beetles</td>
<td>Routine, annual pest</td>
<td>Occasional pest</td>
<td>Never a problem</td>
</tr>
<tr>
<td>Flour Moths</td>
<td>Routine, annual pest</td>
<td>Occasional pest</td>
<td>Never a problem</td>
</tr>
<tr>
<td>Fruit Flies</td>
<td>Routine, annual pest</td>
<td>Occasional pest</td>
<td>Never a problem</td>
</tr>
<tr>
<td>Head lice</td>
<td>Routine, annual pest</td>
<td>Occasional pest</td>
<td>Never a problem</td>
</tr>
<tr>
<td>Mice</td>
<td>Routine, annual pest</td>
<td>Occasional pest</td>
<td>Never a problem</td>
</tr>
<tr>
<td>Mold/Mildew</td>
<td>Routine, annual pest</td>
<td>Occasional pest</td>
<td>Never a problem</td>
</tr>
<tr>
<td>Rats</td>
<td>Routine, annual pest</td>
<td>Occasional pest</td>
<td>Never a problem</td>
</tr>
<tr>
<td>Spiders</td>
<td>Routine, annual pest</td>
<td>Occasional pest</td>
<td>Never a problem</td>
</tr>
<tr>
<td>Termites</td>
<td>Routine, annual pest</td>
<td>Occasional pest</td>
<td>Never a problem</td>
</tr>
<tr>
<td>Wasps</td>
<td>Routine, annual pest</td>
<td>Occasional pest</td>
<td>Never a problem</td>
</tr>
</tbody>
</table>
5. Which of these pests require routine annual management, require occasional management, or are never a problem outdoors of your school? (Please circle your answers)

<table>
<thead>
<tr>
<th>Outdoor Pests</th>
<th>Routine, annual pest</th>
<th>Occasional pest</th>
<th>Never a problem</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ants</td>
<td>Routine, annual pest</td>
<td>Occasional pest</td>
<td>Never a problem</td>
</tr>
<tr>
<td>Bees/Wasps/Hornets</td>
<td>Routine, annual pest</td>
<td>Occasional pest</td>
<td>Never a problem</td>
</tr>
<tr>
<td>Mosquitoes</td>
<td>Routine, annual pest</td>
<td>Occasional pest</td>
<td>Never a problem</td>
</tr>
<tr>
<td>Ticks</td>
<td>Routine, annual pest</td>
<td>Occasional pest</td>
<td>Never a problem</td>
</tr>
<tr>
<td>Turf Grubs</td>
<td>Routine, annual pest</td>
<td>Occasional pest</td>
<td>Never a problem</td>
</tr>
<tr>
<td>Broadleaf Weeds</td>
<td>Routine, annual pest</td>
<td>Occasional pest</td>
<td>Never a problem</td>
</tr>
<tr>
<td>Grassy Weeds</td>
<td>Routine, annual pest</td>
<td>Occasional pest</td>
<td>Never a problem</td>
</tr>
<tr>
<td>Poison Ivy</td>
<td>Routine, annual pest</td>
<td>Occasional pest</td>
<td>Never a problem</td>
</tr>
<tr>
<td>Plant Disease</td>
<td>Routine, annual pest</td>
<td>Occasional pest</td>
<td>Never a problem</td>
</tr>
<tr>
<td>Birds</td>
<td>Routine, annual pest</td>
<td>Occasional pest</td>
<td>Never a problem</td>
</tr>
<tr>
<td>Mice</td>
<td>Routine, annual pest</td>
<td>Occasional pest</td>
<td>Never a problem</td>
</tr>
<tr>
<td>Moles</td>
<td>Routine, annual pest</td>
<td>Occasional pest</td>
<td>Never a problem</td>
</tr>
<tr>
<td>Birds</td>
<td>Routine, annual pest</td>
<td>Occasional pest</td>
<td>Never a problem</td>
</tr>
<tr>
<td>Other Pest specify:</td>
<td>Routine, annual pest</td>
<td>Occasional pest</td>
<td></td>
</tr>
<tr>
<td>Other Pest specify:</td>
<td>Routine, annual pest</td>
<td>Occasional pest</td>
<td></td>
</tr>
</tbody>
</table>

6. Has the school had mice problems in the past two years? Circle Answer

   Yes or No

If yes, please indicate which practices have been instituted to manage them? Check all that apply
   a. Monitoring for the pest and/or droppings
   b. Exclusion (filling/repairing entry points)
   c. Sanitation
   d. Glue traps
   e. Snap traps
   f. Rodenticide baits
   g. None
   h. Don’t know
   i. Other please specify______________
   j. Other please specify______________

7. Has the school had ant problems in the past two years? Circle Answer

   Yes or No
If **yes**, please indicate which practices have been instituted to manage them? Check all that apply

- a. Sanitation
- b. Eliminate entryways (caulking/sealing holes)
- c. Monitoring (sticky/glue boards)
- d. Ant baits stations
- e. Pesticide spray on indoor baseboards
- f. Pesticide spray perimeter treatment for outdoors
- g. None
- h. Don’t know
- i. Other please specify_______________
- j. Other please specify_______________

8. Has the school had head lice problems in the past **two** years? Circle Answer

**Yes** or **No**

If **yes**, please indicate which practices have been instituted to manage them? Check all that apply

- a. Implement a written head lice plan
- b. Annually inspect children
- c. Discourage children from sharing of hats, combs, scarves, etc.
- d. Parental notification
- e. Parental education
- f. Instituting a “no nit” policy
- g. Pesticide spray in school
- h. None
- i. Don’t know
- j. Other please specify_______________
- k. Other please specify_______________

9. Has the school had fly problems in the past **two** years? Circle Answer

**Yes** or **No**

If **yes**, please indicate which practices have been instituted to manage them? Check all that apply

- a. Sanitation
- b. Floor drains steam/ enzyme cleaned
- c. Other breeding sites identified/cleaned
- d. Increase frequency of trash disposal
- e. Install/maintain window/door screens
- f. Electric fly traps
- g. Fly paper
- h. Fly swatters
- i. Aerosol sprays
j. None
k. Don’t know
l. Other please specify_______________

10. Has the school had bee/wasp problems in the past two years? Circle Answer

Yes or No

If yes, please indicate which practices have been instituted to manage them? Check all that apply

a. Inspect/Remove/Destroy nests
b. Contact beekeeper to collect bees
c. Outdoor trash containers with tight lids
d. Seal off openings in playground structures, fences, pipes etc
e. Rope off nesting sites
f. Install/maintain window/door screens
g. Aerosol Sprays
h. Yellow jacket traps
i. Fly swatters
j. None
k. Don’t know
l. Other please specify_______________

11. Has the school had cockroach problems in the past two years? Circle Answer

Yes or No

If yes, please indicate which practices have been instituted to manage them? Check all that apply

a. Frequent inspection/monitoring with sticky traps
b. Monitor for fecal matter, shed exoskeletons, egg cases
c. Daily garbage/food waste disposal
d. Daily cleaning food preparation areas, including floors
e. Steam clean drains and/or enzyme based drain cleaner
f. Monthly cleaning around/behind large kitchen equipment
g. Repair/caulk/seal holes in/around sinks/walls/drain pipes/toilets
h. Limit areas where food can be stored and consumed
i. Cockroach Baits
j. Aerosol Sprays
k. None
l. Don’t know
m. Other please specify_______________

12. Has the school had mosquito problems in the past two years? Circle Answer

Yes or No
If yes, please indicate which practices have been instituted to manage them? Check all that apply

- Install/maintain window/door screens
- Remove sources of standing water around school
- Clean gutters and downspouts
- Keep grass mowed and remove dense brush
- Use covered dumpsters and trash cans
- Encourage predators such as bats and birds
- Reduce activities held during dusk/early evening to avoid mosquitoes
- Use devices, such as Mosquito Magnet
- Apply larvicides in catch basins and other breeding sites
- Apply sprays for adult mosquitoes
- Use insect repellents
- None
- Don’t know
- Other please specify

13. Please indicate which practices have been used to manage pests in athletic fields around your school? Check all that apply

- None – no athletic fields
- Frequent monitoring for pests (insects, plant disease, weeds)
- Annual soil test for fertilizer needs, etc.
- Top dressing with soil/sand/compost
- Frequent sharpening of mower blades
- Synthetic chemical fertilizer application
- Organic fertilizer application
- Broadleaf weed herbicide application
- Grass weed herbicide application
- Turf grub application
- Other insecticide applications please specify
- Weed & Feed applications
- Aeration at least once a year
- Don’t know
- Other please specify

14. Who is responsible for making pest management decisions at your school? Check all that apply

<table>
<thead>
<tr>
<th></th>
<th>Indoor</th>
<th>Outdoor</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. School Maintenance Supervisors/Facility Manager</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>b. Maintenance/Custodial Staff</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>c. Food Service Director/Staff</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>d. Teacher</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>e. Principal</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>f. School Superintendent/School District Administrator</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>g. Integrated Pest Management (IPM) Coordinator</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>h. Professional Exterminating Company</td>
<td>☐</td>
<td>☐</td>
</tr>
</tbody>
</table>
15. Does your school have a written pesticide use policy? Please circle your answer

Yes   No   Don’t Know

16. Are pesticides applied in/around your school?

Yes or No

If yes, please indicate who is responsible for applying pesticides in/around your school. Check all that apply

<table>
<thead>
<tr>
<th>Role in School</th>
<th>Indoor</th>
<th>Outdoor</th>
</tr>
</thead>
<tbody>
<tr>
<td>School Maintenance Supervisors/Facility Manager</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>Maintenance/Custodial Staff</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>Food Service Director/Staff</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>Teacher</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>Principal</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>School Superintendent/School District Administrator</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>Town/City Public Works Staff</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>Integrated Pest Management (IPM) Coordinator</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>Professional Exterminating Company</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>No one pesticide are not used</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>Don’t know</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>Other: please specify__________________</td>
<td>☐</td>
<td>☐</td>
</tr>
</tbody>
</table>

17. What type of notification is provided to staff, students, and/or parents when pesticides are applied in/around schools?

a. No notification
b. Written pre-notification for indoor applications
c. Written pre-notification for outdoor applications
d. Sign posting for indoor areas
e. Sign posting for outdoors areas
f. Verbal announcement to staff and students
g. Notify pesticide sensitive individuals
h. Don’t know
i. Other please specify: ________________________
j. Pesticide not applied

18. Are all pesticides applied by licensed/certified pesticide applicators?

Yes   No   Don’t Know
19. Is Integrated Pest Management (IPM) practiced in your school?

Yes   No    Don’t Know

20. Which of the following general practices are used in your school?

a. Regular inspections for pest infestation
b. Using sticky traps/glue board for monitoring pests
c. Securely store foods with tight fitting lids
d. Lids on outdoor dumpsters and trash cans
e. Plaster liners in indoor trash cans
f. Daily garbage disposal
g. Educating staff and students to reduced pest problems
h. Screens on vents and window
i. Repair water leaks promptly
j. Food in designated areas only

21. Who do you think needs/wants more information on pest management in schools? Check all that apply

a. School Maintenance Supervisors/Facility Managers
b. Maintenance/Custodial Staff
c. Food Service Director/Staff
d. Superintendent
e. Teachers
f. Principals
g. School Superintendent/School District Administrator
h. Integrated Pest Management (IPM) Coordinator
i. Professional Exterminating Company
j. Parents
j. Other: please specify__________________

22. How useful are/would these sources of information in enhancing your/others understanding of integrated pest management strategies? (please circle your answers)

<table>
<thead>
<tr>
<th>Source</th>
<th>Very Useful</th>
<th>Somewhat Useful</th>
<th>Not Useful</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. Workshops</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>b. Website</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>c. Newsletter</td>
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<td></td>
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<tr>
<td>d. Pest Fact Sheets</td>
<td></td>
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<tr>
<td>e. Informational Brochures</td>
<td></td>
<td></td>
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<tr>
<td>f. Posters</td>
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<tr>
<td>g. Video/Podcast/Webcasts</td>
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<td></td>
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</tr>
<tr>
<td>h. Pest Management Manual</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>i. Professional Consultant</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
23. Please list which pests, if any that you would like more information on.

1. ______________________
2. ______________________
3. ______________________

24. Overall how would you rate the success of your pest management program in your school.

   a. Very Satisfactory
   b. Satisfactory
   c. Poor
   d. Don’t know

Please use this space for any comments that you have.

   Thank you for your help.

   Please return your questionnaire in the enclosed stamped envelope to:

   Natalia P. Clifton, PSIS
   250 Natural Resources Road
   212 Agricultural Engineering Bldg.
   University of Massachusetts
   Amherst, MA 01003-9295

   If you have any questions or comments please feel free to contact Natalia P. Clifton,
   phone (413)545-1044 or email nclifton@psis.umass.edu