

# HCCS Integrated Pest Management Plan

## December 2016

# Contents

<b>I. INTRODUCTION</b>	<b>4</b>
<b>II. WHAT IS INTEGRATED PEST MANAGEMENT?</b>	<b>4</b>
<b>III. WHAT IS AN INTEGRATED PEST MANAGEMENT PLAN?</b>	<b>5</b>
<b>IV. SCHOOL DISTRICT IPM PLAN COORDINATOR</b>	<b>6</b>
<b>V. RESPONSIBILITIES + TRAINING/EDUCATION of SCHOOL EMPLOYEES</b>	<b>7</b>
<b>A. <i>IPM Plan Coordinator</i></b>	<b>8</b>
<b>B. <i>Custodial/Maintenance Staff</i></b>	<b>8</b>
<b>C. <i>Grounds Department</i></b>	<b>9</b>
<b>D. <i>Kitchen Staff</i></b>	<b>9</b>
<b>E. <i>Faculty</i></b>	<b>10</b>
<b>F. <i>School Principal</i></b>	<b>11</b>
<b>G. <i>Other</i></b>	<b>11</b>
<b>VI. IPM PROCESS</b>	<b>11</b>
<b>A. Monitoring – Reporting – Action Protocol</b>	
<b>1. Monitoring &amp; Reporting – All Staff</b>	<b>12</b>
<b>2. Monitoring &amp; Reporting –             Coordinator and Custodial/Maintenance Staff</b>	<b>12</b>
<b>3. Monitoring &amp; Reporting – Grounds Staff</b>	<b>12</b>
<b>4. Sticky monitoring traps for insects</b>	<b>12</b>
<b>5. Monitoring for mice</b>	<b>13</b>
<b>6. Reporting (pests, signs of pests, and conducive conditions)</b>	<b>13</b>
<b>7. Reporting “Pests of Concern”</b>	<b>13</b>
<b>8. Action!</b>	<b>13</b>
<b>9. Acceptable Thresholds</b>	<b>14</b>
<b>B. Inspections</b>	<b>14</b>
<b>C. Pest Emergencies</b>	<b>14</b>

## Appendix (A)

<b>D. Annual IPM Report (completed by IPM Plan Coordinator)</b>	<b>14</b>
<b>VII. PESTICIDE APPLICATIONS: REQUIRED NOTIFICATION, POSTING, RECORD KEEPING, AND REPORTING</b>	<b>15</b>
<b>A. Notification and Posting for Non-emergencies</b>	<b>15</b>
<b>B. Notification and Posting for Emergencies</b>	<b>16</b>
<b>C. Record Keeping of Pesticide Applications</b>	<b>16</b>
<b>D. Annual Report of Pesticide Applications</b>	<b>17</b>
<b>VIII. APPROVED LIST OF LOW-IMPACT PESTICIDES</b>	<b>18</b>

## I. INTRODUCTION

Structural and landscape pests can pose significant problems in schools. Pests such as mice and cockroaches can trigger asthma. Mice and rats are vectors of disease. Many children are allergic to yellow jacket stings. The pesticides used to remediate these and other pests can also pose health risks to people, animals, and the environment. These same pesticides may pose special health risks to children due in large part to their still-developing organ systems. Because the health and safety of students and staff is our first priority – and a prerequisite to learning – it is the policy of Hope Chinese Charter School (HCCS) to approach pest management with the least possible risk to students and staff. In addition, Senate Bill 637 (incorporated into ORS Chapter 634 upon finalization in 2009) requires all school districts to implement integrated pest management in their schools. For this reason, the **HCCS Board of Directors** adopts this integrated pest management plan for use on the campuses of our district.

## II. WHAT IS INTEGRATED PEST MANAGEMENT?

Integrated Pest Management, also known as IPM, is a process for achieving long-term, environmentally sound pest suppression through a wide variety of tactics. Control strategies in an IPM program include structural and procedural improvements to reduce the food, water, shelter, and access used by pests. Since IPM focuses on remediation of the fundamental reasons why pests are here, pesticides are rarely used and only when necessary.

### IPM Basics

Education and Communication: The foundation for an effective IPM program is education and communication. We need to know what conditions can cause pest problems, why and how to monitor for pests, proper identification, pest behavior and biology before we can begin to manage pests effectively. Communication about pest issues is essential. *A protocol for reporting pests or pest-conducive conditions and a record of what action was taken is the most important part of an effective IPM program.*

Cultural & Sanitation: Knowing how human behavior encourages pests helps you prevent them from becoming a problem. Small changes in cultural or sanitation practices can have significant effects on reducing pest populations. Cleaning under kitchen serving counters, reducing clutter in classrooms, putting dumpsters further from kitchen door/loading dock, proper irrigation scheduling, and over-seeding of turf areas are all examples of cultural and sanitation practices that can be employed to reduce pests.

Physical & Mechanical: Rodent traps, sticky monitoring traps for insects, door sweeps on exterior doors, sealing holes under sinks, proper drainage and mulching of landscapes, and keeping vegetation at least 24 inches from buildings are all examples of physical and mechanical control.

Pesticides: IPM focuses on remediation of the fundamental reasons why pests are here; pesticides should be rarely used and only when necessary.



### III. WHAT IS AN INTEGRATED PEST MANAGEMENT PLAN?

ORS 634.700 defines an IPM plan as a proactive strategy that:

(A) Focuses on the long-term prevention or suppression of pest problems through economically sound measures that:

- a) Protect the health and safety of students, staff and faculty;
- b) Protect the integrity of campus buildings and grounds;
- c) Maintain a productive learning environment; and
- d) Protect local ecosystem health;

(B) Focuses on the prevention of pest problems by working to reduce or eliminate conditions of property construction, operation and maintenance that promote or allow for the establishment, feeding, breeding and proliferation of pest populations or other conditions that are conducive to pests or that create harborage for pests;

(C) Incorporates the use of sanitation, structural remediation or habitat manipulation or of mechanical, biological and chemical pest control measures that present a reduced risk or have a low impact and, for the purpose of mitigating a declared pest emergency, the application of pesticides that are not low-impact pesticides;

(D) Includes regular monitoring and inspections to detect pests, pest damage and unsanctioned pesticide usage;

(E) Evaluates the need for pest control by identifying acceptable pest population density

## Appendix (A)

levels;

(F) Monitors and evaluates the effectiveness of pest control measures;

(G) Excludes the application of pesticides on a routine schedule for purely preventive purposes, other than applications of pesticides designed to attract or be consumed by pests;

(H) Excludes the application of pesticides for purely aesthetic purposes;

(I) Includes school staff education about sanitation, monitoring and inspection and about pest control measures;

(J) Gives preference to the use of nonchemical pest control measures;

(K) Allows the use of low-impact pesticides if nonchemical pest control measures are ineffective; and

(L) Allows the application of a pesticide that is not a low-impact pesticide only to mitigate a declared pest emergency or if the application is by, or at the direction or order of, a public health official.

The above definition is the basis for HCCS IPM plan. This plan fleshes out the required strategy from ORS 634.700 – 634.750 for HCCS.

Note: As mentioned above, ORS 634.700 allows for the routine application of pesticides designed to be consumed by pests. To avoid a proliferation of pests and/or unnecessary applications of pesticides, we will not set out any ant or cockroach baits until first:

- 1) Informing staff in the area where the pests are that sanitation and exclusion are the primary means to control the pest.
- 2) Establishing an acceptable pest population density
- 3) Cleaning up any food debris in the area.
- 4) Sealing up any cracks or crevices where we know the pests are coming from.
- 5) Setting out sticky insect monitoring traps in the area using the sticky insect monitoring trap protocol.

#### **IV. SCHOOL DISTRICT IPM PLAN COORDINATOR**

The **HCCS Board of Directors** designates the HCCS Facilities Manager as the IPM Plan Coordinator. The Coordinator is key to successful IPM implementation at HCCS,

## Appendix (A)

and is given the authority for overall implementation and evaluation of this plan. The Coordinator is responsible for:

**A. Attending not less than six hours of IPM training each year**

The training will include a general review of IPM principles and the requirements of ORS 634.700 – 634.750. It will also include hands-on training on updated exclusion practices, monitoring & inspection techniques, and management strategies for common pests.

**B. Conducting outreach to the school community (custodians, maintenance, construction, grounds, faculty, and kitchen staff) about the school's IPM plan;**

The IPM Coordinator (or designee) will provide training as outlined in Section V below.

**C. Overseeing pest prevention efforts;**

The Coordinator will work with administration, custodian/maintenance, teachers and staff to reduce clutter and food in the classrooms, and seal up pest entry points.

**D. Assuring that the decision-making process for implementing IPM in the district (section VI) is followed;**

The Coordinator will continually assess and improve the pest monitoring, reporting, and action protocol.

**E. Ensuring that all notification, posting, and recordkeeping requirements in section VII are met when the decision to make a pesticide application is made;**

**F. Maintaining the approved pesticides list as per section VIII;**

**G. Responding to inquiries and complaints about noncompliance with the plan;**  
Responses to inquiries and complaints will be in writing and kept on record with the Coordinator.

**H. Placing and checking sticky insect monitoring traps around facility;**

**I. Keeping records of pest complaints using pest logs located in HCCS office.**

**J. Developing protocols and provisions for pest avoidance and prevention during construction and renovation projects.** The Coordinator will be involved in drafting any bids, and will have the authority to halt construction projects if protocols and provisions for pest avoidance and prevention are not being met.

**V. RESPONSIBILITIES + TRAINING/EDUCATION of SCHOOL EMPLOYEES**

Note: ORS 634.700 (3) (i) requires staff education “about sanitation, monitoring and inspection and about pest control measures”. All staff should have at least a general review of IPM principles and strategy as outlined in Sections II and III.

**A. IPM Plan Coordinator**

1. Training (see section IV above)
2. Responsibilities (see section IV above)

**B. Custodial / Maintenance Staff****1. Training/Education**

Custodial - The IPM Plan Coordinator (or a designee of the Coordinator) will train custodial staff at least annually on sanitation, monitoring, inspection, and reporting, and their responsibilities as outlined below.

Maintenance - The IPM Plan Coordinator (or a designee of the Coordinator) will train maintenance staff/volunteers at least annually on identifying pest-conducive conditions and mechanical control methods (such as door sweeps on exterior doors and sealing holes under sinks), and their responsibilities as outlined below.

**2. Responsibilities**

- 1) Attending annual IPM training provided by the IPM Coordinator (or designee).
- 2) Continually monitoring for pest-conducive conditions during daily work, and sealing small holes and cracks when noticed (if this can be done in a short amount of time)
- 3) Reporting pest problems and pest-conducive conditions that he/she cannot resolve in a short amount of time to the IPM Coordinator.
- 4) Reporting teachers to IPM Coordinator who repeatedly refuse to or need assistance to reduce clutter and other pest-conducive conditions in their classrooms.
- 5) Confiscating - reporting any unapproved pesticides (such as aerosol spray cans) discovered in their regular duties or during an inspection and delivering them – reporting them to the IPM Coordinator.
- 6) Assisting IPM Coordinator with resolving issues found in annual inspection report.
- 7) Working with the IPM Coordinator to develop a protocol and priority list with deadlines for sealing holes, installing external door sweeps, and other pest exclusion needs which cannot be done in a short period of time.
- 8) HCCS may contract for these services, hiring companies that meet training requirements and outlining responsibilities in the contract. The HCCS Facility Manager is responsible for monitoring contractors and their associated requirements



## Appendix (A)

with meeting the responsibilities outlined above.

**C. Grounds Department****1. Training/Education**

The head of grounds staff (or designee) will train grounds staff/volunteers at least once per year. Each year before the training, the head of grounds staff will meet with the IPM Coordinator to review the annual report of pesticide applications and plan training for all grounds staff. The annual training will review this IPM Plan (especially grounds department responsibilities outlined below) and data from the annual report related to pesticide applications by grounds crew. It will also review the OSU turf management publications EC 1521, EC 1278, EC 1550, EC 1638-E, and PNW 299 (available free online at <http://extension.oregonstate.edu/catalog/>). Grounds staff/volunteers will also be trained in basic monitoring for common pests on grounds.

**2. Responsibilities**

Grounds crews are responsible for:

- 1) Attending annual IPM training provided by the IPM Coordinator (or designee).
- 2) Working with the IPM Coordinator to reduce conditions conducive to weeds, gophers, moles, yellow jackets, and other outdoor pests
- 3) Keeping vegetation (including tree branches and bushes) at least 18 inches from building surfaces.
- 4) Proper mulching in landscaped areas to reduce weeds.
- 5) Proper fertilization, over-seeding, mowing height, edging, drainage, aeration, and irrigation scheduling in turf areas to reduce weeds.
- 6) When the decision is made to apply a pesticide, following notification, posting, record-keeping and reporting protocols in Section VII.
- 7) HCCS may contract for these services, hiring companies that meet training requirements and outlining responsibilities in the contract. The HCCS Facility Manager is responsible for monitoring contractors and their associated requirements with meeting the responsibilities outlined above.

**D. Kitchen Staff****1. Training/Education**

The IPM Coordinator (or a designee of the Coordinator) will train kitchen staff/volunteers at least once per year on the basic principles of IPM and their responsibilities as

outlined below.

## **2. Responsibilities**

Kitchen Staff / volunteers are responsible for:

- 1) Attending annual IPM training provided by the IPM Coordinator (or designee).
- 2) Assuring floor under serving counters and movable equipment is kept free of food and drink debris.
- 3) Avoiding long-term storage or use of cardboard boxes.
- 4) Removing recycle products daily.
- 5) Keeping outside doors closed at all times (except during deliveries and emptying trash).
- 6) Keeping all food items in sealed containers.
- 7) Immediately reporting any sightings of rodents or rodent droppings to the IPM Coordinator, and following up with an email to the Coordinator (for records).
- 8) Reporting to the Coordinator any pest-conducive conditions that require maintenance (e.g., leaky faucets, dumpster too near building, drains need scrubbing, build-up of floor grease requiring spray-washing, etc.)
- 9) HCCS may contract for these services, hiring companies that meet training requirements and outlining responsibilities in the contract. The HCCS Facility Manager is responsible for monitoring contractors and their associated requirements with meeting the responsibilities outlined above.

## **E. Faculty**

### **1. Training/Education**

The IPM Plan Coordinator (or a designee of the Coordinator) will train faculty and principals at least once per year on the basic principals of IPM and their responsibilities as outlined below. These short (15 – 20 minutes) training are arranged by the Coordinator with individual principals when openings in their school Faculty Meeting schedules permit. During the training, the Coordinator will review the following with Faculty:

- 1) What pest-conducive conditions are (clutter, food debris, moisture, cracks, holes, etc.), and the importance of reporting these in a timely manner.

## Appendix (A)

2) The importance of keeping their classrooms and work areas free of clutter.

3) The importance of having students clean up after themselves when food or drink is consumed in the classroom.

**2. Responsibilities**

Faculty are responsible for:

1) Attending annual basic IPM training provided by the IPM Coordinator (or designee).

2) Keeping their classrooms and work areas free of clutter.

3) Making sure students clean up after themselves when food or drink is consumed in the classroom.

4) Reporting pests and pest-conducive conditions to the IPM Coordinator, in-person - by email - by letter. In emergency situations, by phone.

**F. School Principal****1. Training/Education**

(Same training/education as Faculty)

**2. Responsibilities**

The School Principal is responsible for:

1) Scheduling time for teachers to receive annual training provided by the IPM Coordinator (or designee).

2) Attending annual IPM training for teachers.

3) Assuring that teachers keep their rooms clean and free of clutter in accordance with the IPM Coordinator's instructions.

4) Assuring that all faculty, administrators, staff, students and parents receive the annual notice (provided by the IPM Coordinator) of potential pesticide products that could be used on school property as per Section VII.

5) Working with the IPM Coordinator to make sure all notifications of pesticide applications reach all faculty, administrators, staff, students and parents through posting in the front office - e-mail - the district's website – letter -other.

**G. Other**

## Appendix (A)

**1. Training/Education**

Basic training on the principles of IPM and the main points of this IPM Plan should also be provided to school nurses, administrative staff, on-site volunteers, and students. Coaches/volunteers who use athletic fields should be given an overview and updates of basic monitoring and IPM practices for turf so they understand key pest problems to look out for and when to report them.

**2. Responsibilities**

All other staff are responsible for keep their work areas free of clutter, and reporting pests and pest-conducive conditions to the IPM Coordinator. Students are responsible for reporting pests to their teachers.

**VI. IPM PROCESS****A. Monitoring – Reporting – Action Protocol**

Monitoring is the most important requirement of ORS 634.700 – 634.750. It is the backbone of HCCS IPM Program. It provides recent and accurate information to make intelligent and effective pest management decisions. It can be defined as the regular and ongoing inspection of areas where pest problems do or might occur. Information gathered from these inspections is always written down.

As much as possible, monitoring should be incorporated into the daily activities of school staff. Staff training on monitoring should include what to look for and how to record and report the information.

**1. Monitoring & Reporting – All Staff**

After a brief (15 – 20 minute) training by the IPM Coordinator (or designee) on pests and pest-conducive conditions, staff will be expected to report pests or pest-conducive conditions they observe during the normal course of their daily work. Reporting will be done verbally, by e-mail, using Pest Logs, by written letter to the IPM Coordinator.

**2. Monitoring & Reporting – Coordinator and Custodial/Maintenance Staff**

During the normal course of their daily work, the IPM Coordinator and custodial/maintenance staff will monitor structures and building perimeters for:

- 1) Pest-conducive conditions inside and outside the building (structural deterioration, holes that allow pests to enter, conditions that provide pest harborage).
- 2) The level of sanitation inside and out (waste disposal procedures, level of cleanliness inside and out, conditions that supply food and water to pests)

## Appendix (A)

- 3) The amount of pest damage and the number and location of pest signs (rodent droppings, termite shelter tubes, cockroaches caught in sticky traps, etc.)
- 4) Human behaviors that affect the pests (food preparation procedures, concessions procedures, classroom food, etc.)
- 5) Their own management activities (caulking/sealing, cleaning, setting out traps, treating pests, etc.) and their effects on the pest population.
- 6) Any pests or pest-conducive conditions will be reported to the IPM Coordinator either orally, or by e-mail, using Pest Logs, or written letter to the Coordinator.

### **3. Monitoring & Reporting – Grounds Staff**

During normal daily activities, grounds staff will monitor for invasive weeds, gophers, moles, yellow jackets, and other outdoor pests. These will be reported to the IPM Coordinator orally, or by e-mail, using Pest Logs, or written letter to the Coordinator.

### **4. Sticky monitoring traps for insects**

Sticky traps are neither a substitute for pesticides nor an alternative for reducing pest populations, but rather a diagnostic tool to aid in identifying a pest's presence, their reproductive stage, the likely direction pests are coming from, and the number of pests.

All staff/related volunteers will be made aware of the traps and their purpose so they don't disturb them. The IPM Coordinator and/or Custodial/maintenance staff/volunteers (after proper training by Coordinator) will be responsible for setting them out and checking them once per month, and replacing them once every four months.

Sticky monitoring traps will be placed in the kitchen and any other "pest-vulnerable areas" the Coordinator deems necessary.

Kitchen sticky insect traps will be checked monthly (primarily for drain flies, ants, and cockroaches).

### **5. Monitoring for Mice**

In addition to monitoring for signs of mice (droppings, gnawing, hair, etc.), traps will be placed in the kitchen (and any other area the IPM Coordinator deems necessary), and checked monthly by the Coordinator.

### **6. Reporting (pests, signs of pests, and conducive conditions)**

When staff observe pests or pest-conducive conditions they should tell, e-mail, jot down on Pest Logs, call the IPM Coordinator.

### **7. Reporting "Pests of Concern"**

"A pest of concern" is a pest determined to be a public health risk or a significant

## Appendix (A)

nuisance pest. These include cockroaches (disease vectors, asthma triggers), mice & rats (disease vectors, asthma triggers), yellow jackets (sting can cause anaphylactic shock), cornered nutria, raccoons, cats, dogs, opossums, skunks (they can bite), and bed bugs (significant nuisance pest).

When pests of concern (or their droppings, nests, etc.) are observed, staff should contact the IPM Plan Coordinator immediately.

## **8. Action!**

### a) Structural

Any items (such as sealing up holes) that custodial/maintenance staff observe that they can resolve should be taken care of and reported to IPM Coordinator. The Coordinator will keep records of these actions using Pest Logs.

If the actions needed are not something that can be accomplished alone with minimal time, the Coordinator will meet with them to develop a plan of action with a proposed deadline for completion based on the severity of the risk or nuisance.

The Coordinator will inform the Principal and Board of actions being taken/work performed, and monitor the completion of all work. The Coordinator will keep records of actions taken/work performed using Pest Logs.

The Coordinator will keep records of time and money spent to manage pests.

### b) Grounds

When pests on grounds reach a threshold established by the IPM Coordinator, action will be taken as per guidelines developed by the Coordinator and Grounds Crew/related volunteers. The Grounds Crew/volunteers or Coordinator will keep records of actions, time, and money spent to manage pests on grounds.

## **9. Acceptable Thresholds**

A threshold is the number of pests that can be tolerated before taking action. The acceptable threshold for cockroaches, mice, rats, raccoons, cats, dogs, opossums, skunks, and nutria is 0.

Acceptable thresholds for other pests will be determined by the IPM Coordinator, Principal and Board.

## **B. Inspections**

The IPM Plan Coordinator will conduct an annual inspection using the annual IPM inspection form. During the inspection he or she will also inspect or review:

## Appendix (A)

1) Human behaviors that affect the pests (working conditions that encourage or support pests, food preparation procedures that provide food for pests, etc.)

2) Management activities (caulking/sealing, cleaning, setting out traps, treating pests, etc.) and their effects on the pest population.

**C. Pest Emergencies (see also Section VII. B. below)**

IMPORTANT: If a pest emergency is declared, the area must be evacuated and cordoned off before taking any other steps. When the IPM Plan Coordinator, after consultation with school faculty and administration, determines that the presence of a pest or pests immediately threatens the health or safety of students, staff, faculty members or members of the public using the campus, or the structural integrity of campus facilities, he or she may declare a pest emergency. Examples include (but are not limited to) yellow jackets swarming in areas frequented by children, a nutria in an area frequented by children, a half a dozen mice or rats running through occupied areas of a school building. The Coordinator will keep records of actions taken using Pest Logs.

**D. Annual IPM Report (completed by IPM Plan Coordinator)**

In January of each year, the IPM Plan Coordinator will provide the HCCS Board and the Beaverton School District (BSD) an annual IPM report (as part of the Healthy School Plan). The report will include a summary of data gathered from Pest Logs, or e-mails, or Coordinator notes, as well as costs for PMPs and pesticides (including turf and landscape pesticides). Costs for items such as sealants, fixing screens, door sweeps and other items that would not normally be considered part of pest control will not be recorded.

Prevention and management steps taken that proved to be ineffective and led to the decision to make a pesticide application will be copied and pasted or incorporated into the annual report of pesticide applications (see section VII. D)

**VII. PESTICIDE APPLICATIONS: REQUIRED NOTIFICATION, POSTING, RECORD KEEPING, AND REPORTING**

Any pesticide application (this includes weed control products, ant baits, and all professional and over-the-counter products) on school property must be made by a licensed commercial or public pesticide applicator. At the beginning of each school year, all faculty, administrators, staff, adult students and parents will be given a list of potential pesticide products that could be used in the event that other pest management measures are ineffective. They will also be informed of the procedures for notification and posting of individual applications, including those for pest emergencies. This information will be provided to all the above via e-mail as well as posted to the HCCS Website. Hard copies will be available upon request to the HCCS main office.

## Appendix (A)

**A. Notification and Posting for Non-emergencies**

When prevention or management of pests through other measures proves to be ineffective, the use of a low-risk pesticide is permissible. *Documentation of these measures is a prerequisite to the approval of any application of a low-risk pesticide. This documentation will remain on file with the IPM Plan Coordinator.*

Non-emergency pesticide applications may occur in or around a school while school is in session, preferably when students are not present, unless the IPM Plan Coordinator authorizes an exception. If the labeling of a pesticide product specifies a reentry time, a pesticide may not be applied to an area of campus where the school expects students to be present before expiration of that re-entry time. If the labeling does not specify a reentry time, a pesticide may not be applied to an area of a campus where the school expects students to be present before expiration of a reentry time that the IPM Plan Coordinator determines to be appropriate based on the times at which students would normally be expected to be in the area, area ventilation and whether the area will be cleaned before students are present.

The IPM Plan Coordinator (or a designee of the Coordinator) will give written notice of a proposed pesticide application (via the method most likely to reach the intended recipients) at least 24 hours before the application occurs.

The notice must identify the name, trademark or type of pesticide product, the EPA registration number of the product, the expected area of the application, the expected date of application and the reason for the application.

The IPM Plan Coordinator (or a designee of the Coordinator) shall place warning signs around pesticide application areas beginning no later than 24 hours before the application occurs and ending no earlier than 72 hours after the application occurs.

A warning sign must bear the words "Warning: pesticide-treated area", and give the expected or actual date and time for the application, the expected or actual reentry time, and provide the telephone number of a contact person (the person who is to make the application and/or the IPM Plan Coordinator).

**B. Notification and Posting for Emergencies**

Important Notes:

- 1) *The IPM Plan Coordinator may not declare the existence of a pest emergency until after consultation with school faculty and administration.*
- 2) *If a pesticide is applied at a campus due to a pest emergency, the Coordinator shall review the IPM plan to determine whether modification of the plan might prevent future pest emergencies, and provide a written report of such to HCCS Board of Directors.*
- 3) *HCCS Board of Directors shall review and take formal action on any recommendations in the report.*



## Appendix (A)

The declaration of the existence of a pest emergency is the only time a non low-impact pesticide may be applied.

If a pest emergency is declared, the area must be evacuated and cordoned off before taking any other steps.

If a pest emergency makes it impracticable to give a pesticide application notice no later than 24 hours before the pesticide application occurs, the IPM Plan Coordinator shall send the notice no later than 24 hours after the application occurs.

The Coordinator or designee shall place notification signs around the area as soon as practicable but no later than at the time the application occurs.

Note: ORS 634.700 also allows the application of a non-low-impact pesticide “by, or at the direction or order of, a public health official”. If this occurs, every effort must be made to comply with notification and posting requirements above.

### **C. Record Keeping of Pesticide Applications**

The IPM Plan Coordinator or designee shall keep a copy of the following pesticide product information on file at the Facility Manager’s office at HCCS which is also the office of the IPM Plan Coordinator:

- A copy of the label
- A copy of the MSDS
- The brand name and USEPA registration number of the product
- The approximate amount and concentration of product applied
- The location of the application
- The pest condition that prompted the application
- The type of application and whether the application proved effective
- The pesticide applicator’s license numbers and pesticide trainee or certificate numbers of the person applying the pesticide
- The name(s) of the person(s) applying the pesticide
- The dates on which notices of the application were given
- The dates and times for the placement and removal of warning signs
- Copies of all required notices given, including the dates the IPM Plan Coordinator gave the notices

The above records must be kept on file at the Facility Manager’s office at HCCS, and at the office of the IPM Plan Coordinator, for at least four years following the application date.

### **D. Annual Report of Pesticide Applications**

In January of each year, the IPM Plan Coordinator will provide *HCCS Board of Directors* and BSD (as part of the Healthy School Plan) an annual report of all pesticide

## Appendix (A)

applications made the previous year. The report will contain the following for each application:

- The brand name and USEPA registration number of the product applied
- The approximate amount and concentration of product applied
- The location of the application
- The prevention or management steps taken that proved to be ineffective and led to the decision to make a pesticide application
- The type of application and whether the application proved effective

### **VIII. APPROVED LIST OF LOW-IMPACT PESTICIDES**

Note: All pesticides used must be used in strict accordance with label instructions.

According to ORS 634.705 (5), the governing body of a school district shall adopt a list of low-impact pesticides for use with their integrated pest management plan. The governing body may include any product on the list except products that:

- (a) Contain a pesticide product or active ingredient that has the signal words “warning” or “danger” on the label;
- (b) Contain a pesticide product classified as a human carcinogen or probable human carcinogen under the United States Environmental Protection Agency 1986 Guidelines for Carcinogen Risk Assessment; or
- (c) Contain a pesticide product classified as carcinogenic to humans or likely to be carcinogenic to humans under the United States Environmental Protection Agency 2003 Draft Final Guidelines for Carcinogen Risk Assessment.

As a part of pesticide registration under the Federal Insecticide Fungicide and Rodenticide Act (FIFRA) and re-registration required by the Food Quality Protection Act (FQPA), EPA Office of Pesticide Programs (OPP) classifies pesticide active ingredients (a.i.) with regards to their potential to cause cancer in humans. Depending on when a pesticide active ingredient was last evaluated the classification system used may differ as described above.

The National Pesticide Information Center (<http://npic.orst.edu/>) can be contacted at 1.800.858.7378 or [npic@ace.orst.edu](mailto:npic@ace.orst.edu) for assistance in determining a pesticide a.i. cancer classification.

Next is the most current list of approved low-impact pesticides, as presented by Beaverton School District in their IPM Plan.

## The Low-Impact List from Oregon State University

- Do not apply pesticides to classrooms, athletic fields, or any other space while it is being used.
- Store all pesticides in a cool, dry place with limited access.
- Store liquids below granules and dusts, just in case the liquid container leaks.
- *At the very least*, wear long pants, long sleeves, shoes and socks when handling or using any pesticide product.
- Keep people and pets off treated areas until sprays or wetted granules have dried.
- Do not apply products in a way that will contact people, either directly or through drift.

Attend a training event for School IPM Coordinators presented by the [OSU School IPM Program](#), and check out the templates, training tools, and model IPM plans [here](#).

### WARNING:

- “**Non-crop areas**” include uncultivated agriculture, farmyards, fuel storage areas, fence rows, rights-of-way, and fallow land. That term does NOT include ornamental sites, turf, or sports fields.

Oregon law<sup>i</sup> requires pesticide applicators to use only low-impact pesticide products in and around schools. The law defines “low-impact” in specific terms.<sup>ii</sup> School districts may evaluate products according to the law and maintain their own list(s) of low-impact pesticide products. Oregon State University (OSU) has evaluated products upon request and created this list, which governing bodies are welcome to use in lieu of, or in addition to, their own low-impact lists. The list is a guide and not intended as a recommendation or endorsement of the pesticides listed within. Consult with your supplier, pest management professional, or Oregon Department of Agriculture prior to pesticide use. Always read the label and follow all directions before you apply any pesticides. ***The Label is the Law!***

*To request new products for the list*, to be evaluated by Kaci Buhl at Oregon State University, submit your request using this [form](#). Thanks for everything you do to protect people and property from pests and unnecessary pesticides. You are the coolest!

The products listed here meet the criteria under the law for use in and around Oregon schools and they are registered for sale in the state of Oregon. <sup>iii</sup> **Use the EPA Registration number to match products on the list. The same product name can be used for different products, so matching the product name(s) below to products on the shelf is not sufficient.** This table is sorted by EPA Registration number (lowest to highest).

## Herbicides

Product Name	EPA Reg. No.	Active Ingredient(s)	Read the label, use products only for labeled uses, and be aware of the following:
<i><b>Tenacity</b></i>	100-1267	mesotrione	This product is harmful if absorbed through skin. Prolonged or repeated skin exposure may cause allergic reactions. Avoid contact with skin, eyes, or clothing. All handlers must wear chemical-resistant gloves. Do not contaminate water. This product has a high potential for runoff for several weeks after application. Avoid application when rain is expected within 48 hours. Certain insecticides, when applied within 7 days of Tenacity, can cause turf injury.
<i><b>Refuge</b></i>	100-1362	glyphosate	In agricultural settings, this product requires a restricted-entry interval of 12 hours and chemical resistant gloves in Category A. Consider applying that same standard in your school setting. Do not mix, store, or apply this product in galvanized steel or unlined steel (except stainless steel) containers.
<i><b>Cornerstone Plus - Agrisolutions</b></i>	1381-192	glyphosate isopropylamine salt	This product causes moderate eye irritation. Do not mix, store, or apply this product in galvanized steel or unlined steel containers; it may form a highly combustible gas mixture. Be sure to follow the directions for non-crop areas.
<i><b>Drexel Simazine 4L</b></i>	19713-60	simazine	This product is labeled for use on ornamental lawns. There are no other school sites listed (i.e. athletic fields). This product causes moderate eye irritation, and it can be harmful if absorbed through the skin. Avoid contact with eyes, skin or clothing. All handlers must wear chemical-resistant gloves. Do not apply this product to sandy soils where the water table is close to the surface. This product is toxic to aquatic organisms. Do not mix this product within 50 feet of water bodies or wells. When used in agriculture, this product requires a re-entry interval of 12 hours. Consider applying that same standard in your school setting. Do not use on alkaline soils (pH above 7.8). Do not apply over the rooting zone of trees or ornamentals that are not listed on the label.

<b>Simazine</b>	19713-252	simazine	This product is labeled for use on lawns. There are no other school sites listed (i.e. athletic fields). This product causes moderate eye irritation, and it can be harmful if absorbed through the skin. Avoid contact with eyes, skin or clothing. All handlers must wear chemical-resistant gloves. Do not apply this product to sandy soils where the water table is close to the surface. This product is toxic to aquatic organisms. Do not mix this product within 50 feet of water bodies or wells. When used in agriculture, this product requires a re-entry interval of 12 hours. Consider applying that same standard in your school setting. Do not use on alkaline soils (pH above 7.8). Do not apply over the rooting zone of trees or ornamentals that are not listed on the label.
<b>Drexel De-ester LV6</b>	19713-655	2,4-D, ethylhexyl ester	This product is moderately toxic to the eyes. Avoid contact with skin, eyes, or clothing. Prolonged or frequent repeated skin contact may cause allergic reactions. This product may be toxic to aquatic life, and it has properties associated with groundwater contamination. Application around a cistern or well may result in drinking water contamination. On ornamental turf, only two applications per year are allowed.
<b>Gordon's Agricultural Products Brushmaster Herbicide</b>	2217-774	2,4-D ethylhexyl ester, 2,4-DP, dicamba	The only school sites on the label (under “Recommended Noncropland sites”) are roadsides, fencerows, fence-lines, and areas adjacent to athletic fields. Avoid contact with eyes, skin or clothing, or inhaling spray mist. This product is harmful if absorbed through the skin or inhaled. Over time, it may cause allergic reactions in individuals who are repeatedly exposed. Applicators must wear chemical-resistant gloves. A chemical resistant apron is needed when working with the concentrate. Application to sandy soils, particularly where the water table is shallow, could result in groundwater contamination. Do not apply this product to shorelines, wetlands, or ditch-banks. Do not apply this product where drift may occur to ornamentals, fruit trees, vegetables, and other susceptible broadleaf plants. Do not apply when humidity is low and temperatures are high because this product may turn to vapor and move, damaging desirable plants.
<b>Gordon's Proform Professional Formulations Speed Zone Broadleaf Herbicide for Turf</b>	2217-833	2,4-D ethylhexyl ester, mecoprop-p, dicamba, carfentrazone ethyl	Avoid contact with skin, eyes, or clothing. All handlers, including mixer/loaders must wear chemical resistant gloves. A chemical resistant apron is needed when working with the concentrate. This product causes moderate eye irritation. Prolonged or frequently repeated skin contact may cause allergic reactions. Application to sandy soils, particularly where the water table is shallow, could result in groundwater contamination. Do not apply to wetlands or shorelines.

<b><i>Gordon's ProForm Professional Formulations Speed Zone</i></b>	2217-835	2,4-D ethylhexyl ester, mecoprop-p, dicamba, carfentrazone-ehtyl	Avoid contact with skin, eyes, or clothing. All handlers, including mixer/loaders must wear chemical resistant gloves. A chemical resistant apron is needed when working with the concentrate. When finished, users should remove PPE immediately and change into clean clothing as soon as possible. Application to sandy soils, particularly where the water table is shallow, could result in groundwater contamination. Do not apply to wetlands or shorelines.
<b><i>The Andersons Professional Turf Products Fertilizer with Surge 16-0-9</i></b>	2217-882-9198	2,4-D ethylhexyl ester	Avoid contact with skin, eyes, or clothing. All handlers, including mixer/loaders must wear chemical resistant gloves. This product is toxic to fish and other aquatic life. Application to sandy soils, particularly where the water table is shallow, could result in groundwater contamination. Do not apply to wetlands or shorelines.
<b><i>Gordon's ProForm Professional Formulations T Zone Broadleaf Herbicide</i></b>	2217-920	dicamba, 2,4-D (2-ethylhexyl ester), sulfentrazone, and triclopyr, butoxyethyl ester	Avoid contact with eyes or clothing. This product causes moderate eye irritation. Chemical resistant gloves are required for all activities. When you might be exposed to the concentrate (mixing, loading, cleaning up spills), you must wear a chemical resistant apron. Users should change clothes immediately after handling this product. Application around a cistern or well may result in contamination of drinking water. Small amounts of this product can damage sensitive plants like grapes, vegetables, and many ornamentals. Do not allow spray drift. Vapor drift is also possible after the application if temperatures rise and humidity falls.
<b><i>Gordon's ProForm Professional Formulations Q4 Plus Turf Herbicide for Grassy &amp; Broadleaf Weeds</i></b>	2217-930	quinclorac, 2,4-D, dicamba, sulfentrazone	This product causes moderate eye irritation. All handlers must wear protective eyewear and chemical-resistant gloves. If you might be exposed to the concentrate (mixing, loading, etc.), you must wear a chemical-resistant apron. In agricultural settings, the label requires a restricted entry interval (REI) of 48 hours. Consider applying that same standard in your school setting. It may be toxic to fish and other aquatic life, and highly water-soluble. Groundwater could be contaminated if this product is applied where soils are permeable and the water table is shallow.
<b><i>T Zone SE</i></b>	2217-976	triclopyr butoxyethyl ester, sulfentrazone, 2,4-D	Prolonged or frequent exposure can cause allergic reactions. All handlers must wear chemical-resistant gloves. When handling the concentrate, a chemical-resistant apron is required. In agricultural settings, this product requires a re-entry interval of 24 hours. Consider applying that same standard in your school setting. This product is toxic to fish and other aquatic life, and it has properties associated with groundwater contamination. Use caution around cisterns or wells to prevent drinking water contamination.

<b>Razor Pro Herbicide</b> <b>Razor Herbicide</b> <b>Primera Razor Pro</b>	228-366	glyphosate	This product causes moderate eye irritation. Avoid breathing vapor or spray mist. Do not mix, store, or apply this product in galvanized steel or unlined steel (except stainless steel) containers.
<b>Lesco Momentum Q Herbicide</b> <b>Qunincept Herbicide</b>	228-531	2,4-D (diethylamine salt), quinclorac, dicamba	This product causes moderate eye irritation. Avoid contact with eyes or clothing. All handlers must wear chemical-resistant gloves, and they should be washed and removed (in that order) immediately after handling the product. In agricultural settings, the label requires a restricted entry interval (REI) of 48 hours. Consider applying that same standard in your school setting. It is toxic to fish and other aquatic life, and highly water soluble. Groundwater could be contaminated if this product is applied where soils are permeable and the water table is shallow.
<b>Nufarm Prosege</b>	228-711	halosulfuron-methyl	Avoid contact with eyes or clothing. This product causes moderate eye irritation. Application to sandy soils, particularly where the water table is shallow, could result in groundwater contamination, and groundwater flow has caused off-target plant damage. In fact, it's not allowed to be used on certain sandy/loam soil types with less than 2% organic matter.
<b>Plateau Herbicide</b>	241-365	imazapic, ammonium salt	Remember, “non-crop areas” do not include ornamental or turf sites. On school grounds, the only eligible locations would be fence rows and rights-of-way. Avoid breathing spray mist. Applicators must wear chemical resistant gloves. Application to sandy soils, particularly where the water table is shallow, could result in groundwater contamination. This product has a high potential for runoff for several months or more after application. Do not rinse equipment on or near desirable trees or plants, or on areas where their roots may extend, or in locations where the chemical may be washed or moved into contact with their roots.
<b>Pendulum AquaCap Herbicide</b> <b>Lesco Pre-M Aqua Cap Herbicide</b>	241-416 241-416-10404	pendimethalin	Avoid contact with eyes, skin, or clothing. Applicators and other handlers must wear chemical resistant gloves. Do not apply this product in greenhouses, or any enclosed structure. This product is toxic to fish. This is a pre-emergent herbicide. It keeps weed seeds from germinating through the soil surface, but only after it is "activated" by rainfall or irrigation (about a half inch).
<b>Quicksilver T+O Herbicide</b>	279-3265	carfentrazone-ethyl	Avoid contact with eyes, skin, or clothing, and avoid breathing spray mist. This product causes moderate eye irritation and moderate inhalation toxicity. Applicators must wear waterproof gloves. Do not allow people or pets on the treatment area until sprays have dried. This product only works when light is present, and it can take 7-14 days for susceptible plants to die.

<b>Makaze</b> <b>Mad Dog Plus</b> <b>Kleenup Pro</b> <b>Four Power Plus</b>	34704-890	glyphosate, isopropylamine salt	This product is harmful if absorbed through skin, and it causes moderate eye irritation. Applicators and other handlers must wear chemical resistant gloves. When used in agriculture, this product requires a re-entry interval of 4 hours. Consider applying that same standard in your school setting. Do not mix, store, or apply this product in galvanized steel or unlined steel containers; it may form a highly combustible gas mixture. Be sure to follow the directions for non-crop areas and industrial sites. These do not include ornamental beds, or locations where children have easy access.
<b>Casoron 4G</b>	400-168  400-168-59807	dichlobenil	Avoid contact with skin, eyes, or clothing. This product is harmful if inhaled. Chemical-resistant gloves are required for all activities. Users should change clothes immediately after handling this product. Application to sandy soils, particularly where the water table is shallow, could result in groundwater contamination. When working around desirable plants, do not allow granules to lodge in foliage, or accumulate in contact with tree trunks. <i>Casoron comes in paper bags that are known to rip easily.</i>
<b>Gly-Star Original</b> <b>Agristar</b>	42750-60	glyphosate, isopropylamine salt	Avoid contact with eyes or clothing. This product causes moderate eye irritation. Do not mix, store, or apply this product in galvanized steel or unlined steel (except stainless steel) containers.
<b>Gly Star Plus, Gly Star Pro</b>  <b>Gordon's Farm Pronto Big N' Tuf, Gordon's Farm Pronto BigN'Tuf2 Nonselective Herbicide</b>  <b>Hi-Yield Super Concentrate Kill-Zall II</b>	42750-61  42750-61-2217  42750-61-7401	glyphosate, isopropylamine salt	Avoid contact with eyes, skin or clothing. This product causes moderate eye irritation. Do not mix, store, or apply this product in galvanized steel or unlined steel (except stainless steel) containers.
<b>Landmaster BW</b>	42750-62	2,4-D, isopropylamine salt, and glyphosate, isopropylamine salt	Avoid contact with eyes, skin or clothing. This product causes moderate eye irritation, and it may be harmful if absorbed through the skin. When you might be exposed to the concentrate (mixing, loading, cleaning up spills), you must wear a chemical resistant apron and gloves. Application around a cistern or well may result in contamination of drinking water. Do not mix, store, or apply this product in galvanized steel or unlined steel (except stainless steel) containers. Do not apply this product in the vicinity of grapes, tomatoes, or other 2,4-D sensitive plants.



<b><i>Specticle 20 WSP Herbicide</i></b>	432-1499	indaziflam	Do not open soluble packets; the envelop will dissolve in water. This product causes moderate eye irritation, and it's harmful if absorbed through the skin. Avoid contact with eyes, skin or clothing. All handlers must wear chemical-resistant gloves, and they should be washed and removed (in that order) immediately after handing the product. In agricultural settings, the product requires a re-entry interval of 12 hours. Consider applying that same standard in your school setting. It is toxic to fish and groundwater could be contaminated if this product is applied where soils are permeable and the water table is shallow.
<b><i>Esplande 200 SC</i></b>	432-1516	Indaziflam	This product is registered for use at educational facilities, but it's not allowed to be used on landscape ornamentals. It can be used on established turf (not newly seeded). Follow the directions for "Warm Season Turf Release." This product is harmful if inhaled or absorbed through skin. Avoid contact with skin, eyes, or clothing. Handlers must wear waterproof gloves. This product is toxic to aquatic life. Follow directions to avoid spray drift and runoff. Avoid applications when rainfall is expected within 48 hours.
<b><i>Specticle Flo Marengo</i></b>	432-1518 432-1518-59807	indaziflam	Keep out of children's reach. In agricultural settings, the label requires a restricted entry interval (REI) of 12 hours. Consider applying that same standard in your school setting. This product is toxic to fish and other aquatic life, and it is water-soluble. Do not apply within 25 feet of psurface water, including seasonal wetlands. Adjacent properties with perennial ryegrass could be significantly damaged by drift. Do not allow drift.
<b><i>Specticle G Marengo G</i></b>	432-1523 432-1523-59807	indaziflam	This product has no signal word, which can indicate very low toxicity. It is a pre-emergent herbicide for annual grasses. It is toxic to fish and other aquatic life. This product has a high potential to contaminate surface water and/or groundwater. The residue found in runoff can be active against aquatic life for months. Runoff can be reduced by timing applications when rain is not expected for 48 hours.
<b><i>Esplanade EZ</i></b>	432-1528	diquat dibromide, indaziflam, glyphosate isopropylamine salt	This product is not intended to be used on turf grass. This product is harmful if absorbed through skin, and it causes moderate eye irritation. It is also toxic to fish, and prone to groundwater contamination. To minimize risk, apply the product when rain is not expected for 24 hours.
<b><i>Aquamaster Herbicide Roundup Custom for Aquatic &amp; Terrestrial Uses</i></b>	524-343	glyphosate, isopropylamine salt	Do not mix, store, or apply this product in galvanized steel or unlined steel (except stainless steel) containers.

<b>Ranger PRO Herbicide</b>	524-517	glyphosate, isopropylamine salt	Avoid contact with eyes or clothing. Mix, store and apply spray solutions of this product using only stainless steel, fiberglass, plastic or plastic-lined steel containers. Otherwise, the gas mixture could flash or explode. In agricultural settings, this product requires a restricted entry interval of 4 hours. Consider applying that same standard to your school setting.
<b>RoundUp Pro Concentrate</b>	524-529	glyphosate, isopropylamine salt	Avoid contact with eyes or clothing. This product causes moderate eye irritation. Do not mix, store, or apply this product in galvanized steel or unlined steel (except stainless steel) containers.
<b>Quikpro Herbicide</b> <b>Roundup QuikPro Herbicide</b>	524-535	glyphosate, diquat dibromide	This product causes moderate eye irritation, and applicators must wear protective eyewear. Avoid breathing dust from the granules. Do not mix, store, or apply this product in galvanized steel or unlined steel (except stainless steel) containers. Only protected handlers may be in the area during application. Remove PPE immediately, and change clothes as soon as possible.
<b>Roundup Promax Herbicide</b>	524-579	glyphosate, potassium salt	Avoid contact with eyes or clothing. This product causes moderate eye irritation. Do not mix, store, or apply this product in galvanized steel or unlined steel (except stainless steel) containers.
<b>Barrage HF Low Volatile Herbicide</b>	5905-529	2,4-D ester	Harmful if absorbed through skin. This product causes moderate eye irritation. Prolonged or frequently repeated skin contact may cause allergic reactions. All handlers must wear chemical-resistant gloves. When handling the concentrate, a chemical-resistant apron is required. Application to sandy soils, particularly where the water table is shallow, could result in groundwater contamination. After application, if the temperature rises over 85 degrees, vapors from this product may injure susceptible plants growing nearby, including vegetables and ornamentals. Avoid applications in the vicinity of susceptible plants. Use the directions for "ornamental and recreational turf grasses, lawns, golf courses and cemeteries" rather than the directions for "Roadsides, medians, highway, railroad, utility, and pipeline rights of way, etc."
<b>Payload Herbicide</b>	59639-120	flumioxazin	Remember, “non-crop areas” do not include ornamental or turf sites. On school grounds, the only eligible locations would be fence rows, bare ground parking areas, and rights-of-way. This product causes moderate eye irritation, and it can be harmful if inhaled or absorbed through skin. This product is toxic to aquatic organisms and plants.

<b>Broadstar Herbicide</b>	59639-128	flumioxazin	Avoid breathing dust and spray mist. This product is harmful if absorbed through the skin. Applicators and other handlers must wear chemical-resistant gloves. This product is toxic to aquatic invertebrates. Take care not to allow runoff toward desirable plants. This product is most effective as a pre-emergent herbicide. Do not apply in enclosed, greenhouse structures.
<b>Envoy Plus Herbicide</b> <b>Select Max Herbicide with Inside Technology</b> <b>Select Max Herbicide</b>	59639-132	clethodim	Avoid contact with eyes, skin or clothing. This product causes moderate eye irritation. It also contains potential allergens. Applicators and other handlers must wear chemical-resistant gloves and protective eyewear. Small amounts of this product may damage grass crops such as corn, rice, small grains, sorghum, or turf. Do not allow spray drift.
<b>Gallery 75 Dry Flowable Herbicide</b>	62719-145	isoxaben	This product causes eye irritation, and it can be harmful if inhaled. When used in agriculture, this product requires a re-entry interval of 12 hours. Consider applying that same standard in your school setting. There is 'suggestive evidence' of carcinogenicity for the active ingredient, isoxaben. It meets the lawful criteria (not a 'likely' human carcinogen), but it's close. Take steps to minimize potential exposure.
<b>Snapshot 2.5 TG, Snapshot DG</b>	62719-175	trifluralin, isoxaben	Avoid contact with skin, eyes, or clothing. Avoid breathing spray mist. This product causes moderate eye irritation and is harmful if inhaled. It also contains potential allergens. Users should change clothes immediately after handling this product.
<p><b>Crossbow</b> has been removed from the Low-Impact list. There was confusion about the term “non-crop areas,” which do not include ornamental and turf sites. Crossbow is <b>not</b> registered to be used in school-type settings. (EPA Registration numbers beginning with 62719-260)</p>			
<b>Rodeo</b> <b>Accord Concentrate</b> <b>Aquapro Herbicide</b>	62719-324  62719-324-67690	glyphosate, isopropylamine salt	Avoid breathing spray mist. This product is harmful if inhaled. Do not mix, store, or apply this product in galvanized steel or unlined steel (except stainless steel) containers.
<b>Dimension Ultra 40 WP</b>	62719-445	dithiopyr	Avoid contact with skin, eyes or clothing. Avoid breathing dust. This product is harmful if absorbed through skin, and it causes eye irritation. All handlers must wear chemical resistant gloves. Do not contaminate water with equipment rinsate or run-off. This product is formulated in water-soluble packaging. Do not open the outer package until you're ready to put the water-soluble package in water.

<b>Milestone</b>	62719-519	aminopyralid, triisopropylamine salt	This product is registered for use in 'recreational areas.' Be careful to follow label directions. In agricultural settings, this product requires a restricted-entry interval of 48 hours. Consider applying that same standard in your school setting. This product causes moderate eye irritation. Avoid contact with eyes or clothing. This product has the potential to contaminate groundwater, especially where soil is permeable and the water table is shallow. Treated grass clippings should not be added to compost.
<b>Gallery SC Specialty Herbicide</b>	62719-658	isoxaben	This product causes eye irritation, and it can be harmful if inhaled. When used in agriculture, this product requires a re-entry interval of 12 hours. Consider applying that same standard in your school setting. There is 'suggestive evidence' of carcinogenicity for the active ingredient, isoxaben. It meets the lawful criteria (not a 'likely' human carcinogen), but it's close. Take steps to minimize potential exposure.
<b>Glyphogan Plus Herbicide</b> <b>Quali-Pro Glyphosate Plus</b>	66222-176	glyphosate, isopropylamine salt	Avoid contact with eyes, skin or clothing. This product causes moderate eye irritation. Do not mix, store, or apply this product in galvanized steel or unlined steel (except stainless steel) containers.
<b>Fiesta Turf Weed Killer</b>	67702-26-87865	iron HEDTA	Avoid contact with eyes. Prolonged or frequent contact may cause allergic reactions. To avoid staining of shoes or clothing, wait until treated areas dry before re-entering. Rinse any desirable structures if they are accidentally contacted.
<b>Bayer Advanced Natria Grass &amp; Weed Killer RTU/Organic Gardening</b>	67702-7-72155	ammonium salts of fatty acids	Avoid contact with eyes or clothing. This product causes moderate eye irritation. Avoid breathing vapor. This product is not for use on roofs.
<b>Dimension 270-G Turf &amp; Landscape Ornamental</b>	7001-375	dithiopyr	Avoid contact with eyes or clothing. When used in agriculture, this product requires a re-entry interval of 12 hours. Consider applying that same standard to your school setting. This product is toxic to fish and other aquatic organisms. Do not use clippings from treated turf for mulching around vegetables or fruit trees. Do not allow domestic animals to feed or forage on treated turf or clippings.
<b>Poa Constrictor</b>	70506-107	ethofumesate	All handlers must wear chemical-resistant gloves. Prolonged or repeated skin exposure may cause allergic reactions. When used in agricultural settings, there is a re-entry interval of 12 hours. Consider applying that same standard to your school setting. This product is toxic to fish; do not contaminate water bodies.

<b>SureGuard SC Herbicide</b>	71368-114	flumioxazin	This product is harmful if inhaled or absorbed through the skin. It causes moderate eye irritation. Avoid breathing spray mist. Avoid contact with skin, eyes, or clothing. All handlers must wear chemical-resistant gloves. This product is toxic to aquatic life and non-target plants. Do not allow the product to come in contact with any oxidizing agent, or a hazardous reaction may occur. In agricultural settings, this product requires a re-entry interval of 12 hours. Consider applying that same standard to your school setting.
<b>Image Herbicide Year-Long Vegetation Killer</b>  <b>Image Herbicide from Lilly Miller Casoron Granules</b>  <b>Image Herbicide from Lilly Miller Noxall Granules</b>	802-536-73342	dichlobenil	Harmful if absorbed through skin or inhaled. Avoid breathing dust. Do not allow people or pets to enter the treated area until granules are thoroughly watered in and the treated soil has dried. Application to sandy soils, particularly where the water table is shallow, could result in groundwater contamination.
<b>Sedgehammer Turf Herbicide</b>	81880-1-10163	halosulfuron-methyl	Avoid contact with eyes or clothing. This product causes moderate eye irritation. Application to sandy soils, particularly where the water table is shallow, could result in groundwater contamination.
<b>Sedgehammer &amp; Turf Herbicide</b>	81880-24-10163	halosulfuron-methyl	Avoid contact with eyes or clothing. This product causes moderate eye irritation. Application to sandy soils, particularly where the water table is shallow, could result in groundwater contamination.
<b>Moss Melt Concentrate</b>	82052-1-91094	d-Limonene	This product is combustible. All handlers must wear eye protection. This product is harmful if absorbed through skin. In agricultural settings, people are not allowed to re-enter treated areas for four hours. Consider applying that same standard in your school setting.
<b>Avenger AG Burndown Herbicide</b>	82052-4	d-Limonene	Avoid contact with skin, eyes, or clothing. This product is harmful if absorbed through skin, and it causes eye irritation. All handlers must wear chemical resistant gloves and protective eyewear. Do not use or store this product near heat or open flame. When using the product, spray weeds until thoroughly wet.
<b>Worry Free Moss &amp; Algae Control</b>	82052-6-33116	d-Limonene (citrus)	Avoid contact with skin, eyes, or clothing. This product causes moderate eye irritation. This product is labeled for use on roofs, walkways, driveways, and fences.

<b><i>EZ-Ject Diamondback Herbicide Shells</i></b>	83220-1	glyphosate	Remember, “non-crop areas” do not include ornamental or turf sites. On school grounds, the only eligible locations would be fence rows and rights-of-way. Avoid contact with eyes or clothing. This product comes in water-soluble shells for trunk/stem injection. It's a closed system with low exposure potential. It may be applied to trees/brush that are standing in water, but not below the water level.
<b><i>Dicamba Max 4</i></b>	83222-14	dicamba, dimethylamine salt	This product causes substantial eye injury. Do not get in eyes, on skin, or on clothing. Avoid breathing spray mist. All handlers must wear goggles or face shield and chemical resistant gloves. In agricultural settings, this product requires a re-entry interval of 24 hours. Consider applying that same standard in your school setting. Avoid mowing for 7 days after the application. This chemical is known to leach through the soil into groundwater, particularly where soils are permeable and the water table is shallow. Nearby plants may be damaged, including trees, beans, cotton, flowers, grapes, and other crop plants. Follow the label carefully.
<b><i>The Andersons Professional Turf Products Dimension 0.25g With Agpro</i></b>	9198-213	dithiopyr	Avoid contact with eyes or clothing. Avoid breathing dust. This product contains potential allergens. It may also damage some species of turf grass.

The products listed here meet the criteria under the law for use in and around Oregon schools and they are registered for sale in the state of Oregon. **Use the EPA Registration number** to match products on the list. **The same product name can be used for different products, so matching the product name(s) below to products on the shelf is not sufficient.** If there is no EPA Registration Number, match the product name **and** the manufacturer/distributor name when comparing the list to products on the shelf. This table is sorted by EPA Registration number (lowest to highest).

**Insecticides**

<b>Product Name</b>	<b>EPA Reg. No.</b>	<b>Active Ingredient(s)</b>	<b>Read the label, use products only for labeled uses, and be aware of the following:</b>
<b><i>EcoEXEMPT G Granular Insecticide from Envincio/Prentiss LLC</i></b>	None - 25(b)	eugenol (clove oil), thyme oil (other: wintergreen oil, corn cob)	Avoid contact with eyes.
<b><i>Essentria IC-3 Insecticide Concentrate from Envincio/Prentiss LLC</i></b>	None - 25(b)	rosemary oil, geraniol, peppermint oil (Other: oil of wintergreen, white mineral oil, vanillin, polyglyceryl oleate)	May cause eye and skin irritation. Avoid contact with eyes, skin and clothing. Protective eyewear and chemical resistant gloves are recommended. Do not use or store this product near heat or open flame. When diluting with water, prepare only the amount needed for immediate use, and maintain agitation during use. Do not store spray solution overnight. When used in confined spaces, prolonged exposure to the fragrance may be objectionable to some individuals.
<b><i>EcoExempt D</i></b>	None - 25(b)	2-phenethyl propionate, eugenol (clove oil) (other: calcium silicate, sodium bicarbonate, calcium carbonate, soybean oil, wintergreen oil)	Avoid contact with eyes.
<b><i>NatureLine NGB Professional Grade Insecticidal Concentrate</i></b>	None - 25(b)	sodium chloride (salt)	This product may be toxic to fish, and it is toxic to all plants. Do not store near heat or open flame. According to the label, this product is only available to licensed pest control operators.

<b>NatureLine Plus Professional Grade Botanical Insecticide</b>	None - 25(b)	clove oil, lemongrass oil, rosemary oil, cinnamon oil	This product may cause irritation of the eyes, skin, and respiratory tract. Avoid contact and inhalation of mist. Chemical-resistant gloves and a respirator are recommended when handling this product. According to the label, this product is only available to licensed pest control operators.
<b>NatureLine PRO Power Residual Oil</b>	None - 25(b)	clove oil, lemongrass oil, rosemary oil, cinnamon oil	This product may cause irritation of the eyes, skin, and respiratory tract. Avoid contact and inhalation of mist. Chemical-resistant gloves and a respirator are recommended when handling this product. According to the label, this product is only available to licensed pest control operators. Do not store near heat or open flame.
<b>WHY Spray for Wasp, Hornet, &amp; Yellow jacket Nests from Rescue</b>	None - 25(b)	lemmongrass oil, clove oil (eugenol), rosemary oil, geranium oil	Avoid contact with eyes and skin. Contents under pressure. Do not use or store near heat or open flame. When spraying nests, spray the opening first, and stand a safe distance from the nest.
<b>Demand CS Patrol</b>	100-1066	lambda- cyhalothrin	This product may be harmful if absorbed through skin. It may also contain potential allergens. Avoid contact with skin, eyes, or clothing. Avoid breathing spray mist of vapor. Do not use this product in or on electrical equipment due to the possibility of shock hazard. Take extreme care to ensure the product is not introduced into the air. Avoid contamination of food and food processing surfaces. Spot treatments should not exceed 20% of the treated area. Individual spot treatments should not exceed 2 square feet.
<b>Speckoz Border Insecticide</b>	100-1066-72113		
<b>Grenade ER Insecticide</b>	100-1066-773		
<b>Demand G Insecticide</b>	100-1240	lambda- cyhalothrin	This product causes moderate eye irritation. Avoid contact with eyes, or clothing.
<b>Optigard Ant Gel Bait</b>	100-1260	thiamethoxam	Do not treat food preparation surfaces. In food handling areas, only crack and crevice treatments are allowed.
<b>Optiguard Flex</b>	100-1306	thiamethoxam	This product is not sufficient alone to control subterranean termites. It is harmful if inhaled or absorbed through skin. Do not breathe vapor or spray mist. Chemical-resistant gloves are required for applicators, at least 14 mils thick. This product is highly toxic to bees exposed to residues on blooming plants or weeds. It is also toxic to wildlife and aquatic life. Do not contaminate water when cleaning equipment or disposing of equipment was water. Do not use, pour, spill or store near heat or open flame.



<b>Acelepryn</b>	100-1489	chlorantraniliprole	This product is toxic to aquatic organisms, and it's prone to runoff. It can be helpful to maintain a level vegetative buffer strip between application areas and water bodies. In agricultural settings, the product label requires a re-entry interval of 4 hours. Consider applying that same standard in your school setting.
<b>Acelepryn G</b>	100-1500	chlorantraniliprole	This product is toxic to aquatic organisms, and it's prone to runoff. It can be helpful to maintain a level vegetative buffer strip between application areas and water bodies. In agricultural settings, the product label requires a re-entry interval of 4 hours. Consider applying that same standard in your school setting.
<b>Share Corp Wasp &amp; Hornet Killer</b>	10088-91-11547	tetramethrin, permethrin, piperonyl butoxide	This product causes moderate eye irritation. Contents under pressure. This product is toxic to fish and other aquatic life. Stay a safe distance away from nests when spraying, and do not contaminate food or food-handling equipment. Avoid spraying plants.
<b>Anvil 10+10 ULV</b>	1021-1688-8329	phenothrin, piperonyl butoxide	This product is harmful if absorbed through skin. Avoid contact with skin, eyes and clothing. All handlers must wear chemical-resistant gloves except applicators using motorized ground equipment and pilots. Pilots must use an enclosed cockpit that meets requirements under the Worker Protection Standard (40 CFR 170.240(d)(6)). This product is toxic to aquatic organisms. Do not apply over bodies of water, except when weather conditions will facilitate movement of applied material away from the water. This product is also highly toxic to bees.
<b>Onslaught FastCap Spider &amp; Scorpion Insecticide</b>	1021-2574	esfenvalerate, prallethrin, piperonyl butoxide	This product causes moderate eye irritation. Wear protective eyewear. Do not use this product in or on electrical equipment due to the possibility of shock hazard. This product is toxic to fish and other aquatic life. Do not discharge this product or equipment rinsate into water bodies without a permit (NPDES). If swallowed, do not induce vomiting. Do not repeat applications within 14 days of one another.
<b>Terro Ant Killer II Liquid Ant Baits/Killer</b>  <b>Terro Outdoor Liquid Ant Bait Stakes</b>  <b>Terro Outdoor Liquid Ant Baits Pre-Filled RTU</b>  <b>Terro-PCO Liquid Ant Bait</b>	149-8    149-8-64405	sodium tetraborate decahydrate	Do not use in food handling areas.

<b>Grant's Kills Ants Ant Control</b>	1663-33	hydramethylnon	Keep out of reach of children, even after application.
<b>Amdro Kills Ants Ant Killing Bait</b>	1663-33-73342		
<b>Down and Out</b>	1769-370	tetramethrin, permethrin, piperonyl butoxide	This product causes moderate eye irritation. Contents under pressure. Chemical-resistant gloves are required for all handlers. This product is flammable, and extremely toxic to fish. Prolonged or frequent exposure could cause allergic reactions. Stay a safe distance away from nests when spraying, and do not contaminate food or food-handling equipment. Avoid spraying plants.
<b>Sting-X</b>	1769-370-66114		
<b>Azatrol EC Insecticide</b>	2217-836	azadirachtin	Avoid breathing vapor. Harmful if absorbed through skin, inhaled, and by eye contact. Applicators and handlers must wear waterproof gloves. Some individuals may be, or become allergic to this product.
<b>Phantom Termiticide-Insecticide</b>	241-392	chlorfenapyr	Harmful if swallowed, inhaled or absorbed through skin. This product causes moderate eye irritation. DO NOT get in eyes, on skin, or on clothing. All handlers must wear chemical resistant gloves. For termite uses, eye protection and a mask may be needed; see the label for specific instructions. Do not apply this product around electrical equipment due to the possibility of shock hazard. Do not apply into heating and air conditioning vents. Do not treat classrooms while in use. Do not contaminate food, utensils, or handling surfaces.
<b>Talstar Professional Insecticide</b>	279-3206	bifenthrin	Harmful if swallowed, inhaled or absorbed through the skin. Avoid contact with skin, eyes or clothing. Avoid breathing spray mist. All handlers must wear chemical resistant gloves when mixing/loading, and perhaps, waterproof gloves when applying. See the label. When working in a non-ventilated space, a respirator and protective eyewear are required. Do not apply to any electrical equipment because of possible shock hazard. Do not allow spray to contact food, utensils, or handling surfaces.
<b>Ortho Max Pro</b>			
<b>Lesco CrossCheck Plus Multi-Insecticide</b>	279-3206-10404		
<b>CB-80</b>	279-3393	pyrethrins, piperonyl butoxide	This product causes moderate eye irritation, and it's harmful if absorbed through skin. It's also harmful if inhaled; take care to avoid breathing in dust or mist. This product is also toxic to bees and aquatic life. If a high-pressure wand or hand-held fogger is used in an enclosed area, the applicator must wear a half-face, full-face, or hood-style respirator with organic vapor cartridge and a particulate filter (N, R, P or HE). The contents of this product are under pressure, and they are flammable. In order to follow the label, you will need to calculate the number of cubic feet in each space you plan to treat.

<b>Advion Cockroach Gel Bait</b>	352-652	indoxacarb	Avoid contact with skin, eyes, or clothing. This product contains potential allergens. Do not use this product in or on electrical equipment where a possibility of shock hazard exists. In food handling areas, this product may only be applied as a crack and crevice treatment where you can be sure that food, utensils, and food handling surfaces won't become contaminated.
<b>Advion Ant Gel</b>	352-746, also found as 100-1498	indoxacarb	Avoid contact with skin, eyes, or clothing. Do not use this product in or on electrical equipment where a possibility of shock hazard exists. In food handling areas, this product may only be applied as a crack and crevice treatment where you can be sure that food, utensils, and food handling surfaces won't become contaminated.
<b>Arilon Insecticide</b>	352-776	indoxacarb	This product causes moderate eye irritation, and it's harmful if absorbed through skin. Waterproof gloves are required for handlers. It's also harmful if inhaled; take care to avoid breathing in dust or mist. This product is also toxic to aquatic life. When making applications in food-handling areas (including receiving areas), apply only to cracks and crevices using equipment designed to deliver a pin stream. Do not apply to areas that are routinely washed such as cracks and crevices on table tops.
<b>Safer Brand Wasp and Hornet Killer</b>  <b>Safer Brand Flying Insect Killer</b>	36488-47	d-limonene, pyrethrins, potassium salts of fatty acids	Avoid contact with skin or clothing. Contents under pressure. Do not use near heat or open flame. Do not apply this product to conduits, motor housings, junction and switch boxes, electrical equipment, or any surface that may be damaged by water. When used indoors, leave the room after spraying and ventilate upon return.
<b>Maxforce Professional Insect Control Roach Killer Bait Gel</b>	432-1254	hydramethylnon	Harmful if swallowed or absorbed through skin. This product causes moderate eye irritation. Avoid contact with eyes, skin or clothing. Do not apply bait to areas where food, utensils, or handling surfaces may become contaminated.
<b>Maxforce FC Professional Insect Control Roach Killer Bait Gel</b>  <b>Maxforce FC Select Professional Insect Control Roach Killer Bait Gel</b>	432-1259	fipronil	Harmful if absorbed through skin. This product causes moderate eye irritation. Avoid contact with skin, eyes, and clothing. Do not use this product in or on electrical equipment where a possibility of shock hazard exists. In food handling areas, only crack and crevice treatments are allowed. Do not treat food preparation surfaces.

<p><b>Maxforce</b> <b>FC Ant Killer Bait Gel</b> <b>Maxforce FC Professional Insect Control Ant Killer Bait Gel</b></p>	432-1264	fipronil	<p>May be harmful if swallowed. Avoid contact with skin and clothing. Keep exposed gel away from open foods and food contact surfaces. Do not use this product in or on electrical equipment where a possibility of shock hazard exists.</p>
<p><b>Merit 75 WSP Insecticide</b></p>	432-1318	imidacloprid	<p>Water-soluble packets provide a nearly closed system. This product is highly toxic to bees, and it not allowed for use on linden trees, basswood trees, or any Tilia species. Avoid breathing dust or vapor, and avoid contact with skin, eyes, or clothing. This product is harmful if absorbed through skin. Applicators and handlers must generally wear gloves. This product is highly toxic to bees and aquatic invertebrates. Groundwater may be contaminated if applications are made where the soil is permeable, particularly where the water table is shallow.</p>
<p><b>Tempo SC Ultra Insecticide</b></p>	432-1363	beta-cyfluthrin	<p>Avoid contact with eyes or clothing. Harmful in inhaled or absorbed through skin. This product causes moderate eye irritation. It is also extremely toxic to fish and highly toxic to bees. The label has very specific instructions about how to keep this pesticide out of water bodies. If you have to spray overhead, wear safety glasses, goggles, or face shield with a dust/mist respirator. Cover exposed food and/or food handling equipment or remove them from the area being treated. Do not apply to food handling surfaces. Allowed for use on buses.</p>
<p><b>Tempo 1% Dust Insecticide Ready to use</b></p>	432-1373	cyfluthrin	<p>This product causes moderate eye irritation, and it can be harmful if inhaled or absorbed through skin. This product is toxic to fish. In food-handling establishments, this product is permitted in non-food-handling areas only, and it can only be used as a void or crack/crevice treatment. It is not allowed in the food-handling areas.</p>
<p><b>Temprid SC Insecticide</b></p>	432-1483	imidacloprid, beta-cyfluthrin	<p>Harmful if swallowed or absorbed through skin. This product causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Gloves are required. Do not apply to furniture or upholstery where prolonged contact with humans will occur. Do not apply in food handling areas. Do not apply more than 5 gallons of diluted product indoors per applicator per day. When treating overhead areas, wear safety glasses, goggles, or face shield and a dust/mist respirator.</p>

<b><i>Delta Dust Insecticide</i></b>	432-772	deltamethrin	May be harmful if absorbed through skin. Avoid contact with skin, eyes, or clothing. In living areas, make applications in such a manner as to avoid depositions on exposed surfaces or introducing the material into the air. Do not allow food, utensils, or processing surfaces to become contaminated.
<b><i>Drione Insecticide</i></b>	432-992	pyrethrins, piperonyl butoxide, silica gel	This product causes moderate eye irritation, and it can be harmful if absorbed through skin. Avoid contact with skin, eyes, or clothing. All handlers must wear chemical-resistant gloves. Do not allow anyone to enter treated areas until dusts have settled.
<b><i>Raid Wasp &amp; Hornet Killer 33</i></b>	4822-553	cypermethrin, prallethrin	Harmful if absorbed through skin. Avoid contact with skin, eyes, or clothing. Keep the product away from fire, sparks and heated surfaces. Do not expose the container to temperatures above 130° F. The best time of day to treat the nests of flying insects is in the evening or early morning. Wait at least 24 hours before removing the nest. Do not contaminate food or utensils.
<b><i>Monterey Horticultural Oil</i></b>	48813-1-54705	Mineral Oil	Avoid contact with eyes, skin, or clothing. Prolonged or repeated contact with skin may cause allergic reactions. All handlers must wear chemical resistant gloves. Harmful if absorbed through skin. Do not apply during drought. In school settings, this product is only allowed for ornamental plants, including interior courtyards and greenhouse plants.
<b><i>PT 545 Plus XLO Pressurized Contact Insecticide, Prescription Treatment 565 Plus XLO Formula 2</i></b>	499-290	pyrethrins, piperonyl butoxide, n-octyl bicycloheptene dicarboximide	For prolonged exposure to spray mist, avoid unpleasant drying of the nose and throat by wearing a respirator with an organic vapor cartridge. See the label for more details. This product may be used on bedding, upholstered furniture, and carpeting.
<b><i>Prescription Treatment Wasp Freeze Wasp &amp; Hornet Killer</i></b>	499-362	d-trans allethrin, d-phenothrin	Harmful if swallowed, inhaled, or if absorbed through the skin. Avoid breathing vapors or spray mist. Avoid contact with skin, eyes, or clothing. This product is flammable, and its contents are under pressure. Keep away from heat, sparks and open flame. May cause staining of asphalt and shingles. For outdoor use only. The best time of day to treat nests is in the evening or early morning. Stand 6-15 away from elevated targets, not directly underneath.
<b><i>MotherEarth D Pest Control Dust</i></b>	499-509	diatomaceous earth (amorphous silica)	This product causes moderate eye irritation. Avoid contact with eyes or clothing. Use adequate ventilation and avoid breathing dust. For prolonged exposure to dust, use a suitable dust mask approved by NIOSH. In living areas, make applications in such a manner as to avoid deposits on exposed surfaces or introducing the material into the air. In food handling areas, only crack, crevice, and spot treatments are allowed.

<b>ULD BP-100 Contact Insecticide II</b>	499-514	pyrethrins, piperonyl butoxide	This product is harmful if absorbed through skin, and it causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Applicators must wear chemical-resistant gloves. Some individuals may be, or may become allergic to this material. This product is highly toxic to aquatic life; do not allow it to run off into storm drains, ditches, or surface water. This product is highly toxic to bees; do not apply near blooming plants. Do not use or store this product near open flame or electrical equipment.
<b>MotherEarth Granular Scatter Bait</b>	499-515	boric acid	Harmful if absorbed through skin. This product causes moderate eye irritation. Avoid contact with skin, eyes, and clothing. Applicators and handlers must wear chemical-resistant or waterproof gloves. Avoid contamination of food.
<b>Alpine D Dust Insecticide, Prescription Treatment Brand Alpine Dust</b>	499-527	dinotefuran, diatomaceous earth	This product causes moderate eye irritation. Applications in food handling areas are limited to crack & crevice, void or spot treatment only. Do not apply to bedding of any kind.
<b>PT Wasp-Freeze II</b>	499-550	prallethrin	This product causes moderate eye irritation. If swallowed, do not induce vomiting. Do not apply this product or allow it to drift on blooming plants in order to protect bees. This product is toxic to fish, as well. This product is not for our door use, except attics and crawl spaces. Do not stand directly underneath treatment areas.
<b>Cyzmic CS</b>	53883-261	lambda-cyhalothrin	This product is harmful if absorbed through skin. Avoid contact with skin, eyes, or clothing. It is also extremely toxic to aquatic life. Take care to avoid household pets, particularly fish and reptile pets. This product is also highly toxic to bees, even when they visit blooming plants with residues of this product. Do not use this product in or on electrical equipment.
<b>Taurus SC</b>	53883-279	fipronil	This product cannot be used indoors except as directed, mostly in wall voids and crawlspaces. It is harmful if inhaled or absorbed through skin. Do not breathe spray mist. Applicators must wear waterproof gloves at least 14 mils thick. When working in a crawlspace or other non-ventilated area, a respirator and protective eyewear are required. This product is toxic to birds and fish. Care must be taken to avoid runoff. The applicator is required to check for any signs of leaks into the occupied areas of the structure and clean up those leaks before allowing anyone to enter.
<b>Orange Guard</b>	61887-1	d-limonene	Avoid contact with eyes or clothing. This product causes moderate eye irritation. When using the product indoors, wait three minutes after spraying before wiping off any excess fluid.

<b>Mosquito Dunks Biological Mosquito Control</b>  <b>Summit B.t.i. Briquets Floating Sustained-Release Larvicide</b>	6218-47	<i>Bacillus thuringiensis</i> subspecies <i>israelensis</i>	Avoid breathing dust. This product causes moderate eye irritation. Avoid contact with eyes or clothing.
<b>Conserve SC Turf &amp; Ornamental</b>	62719-291	spinosad	To control insect pests on ornamental plants growing outside, or in greenhouses. Do not apply to edible plants. This product is toxic to bees for three hours after treatment. It is also toxic to aquatic animals. Follow specific label instructions to protect bees and streams.
<b>Revenge Granular Ant Bait</b> <b>NiBan Granular Bait</b>  <b>Terro Multi-Purpose Insect Bait</b>  <b>Garden Safe Brand Ant &amp; Roach Killer</b>	64405-2  64405-2-149  64405-2-39609	boric acid	This product causes moderate eye irritation, and it can be harmful if absorbed through skin. Avoid contact with skin, eyes, or clothing. Do not contaminate this product with other pesticides. Do not contaminate food.
<b>EcoPCO WP-X Wettable Powder Insecticide</b>	67425-25-655	pyrethrins, 2-phenylethyl propionate, oil of thyme	Harmful if swallowed or inhaled. This product causes moderate eye irritation. Avoid breathing dust. Avoid contact with skin, eyes, or clothing. Carefully open the container by holding it near its base, avoid squeezing the container as this may cause contents to puff out. In food handling areas, only crack, crevice, and spot treatments are allowed. Exposed food should be covered or removed.
<b>Boractin Insecticide Powder</b>	73079-4	boric acid	This product causes moderate eye irritation. Avoid contact with eyes or clothing. Avoid breathing dust. In food handling areas, only crack & crevice treatments are allowed.
<b>InTice Liquid Ant Bait</b>	73079-7	sodium tetraborate decahydrate	Harmful if swallowed or absorbed through the skin. In food handling areas, only crack and crevice treatments are allowed. Any product remaining outside of cracks and crevices must be cleaned up and removed.
<b>InTice Gelamino Ant Bait</b>	73079-8	sodium tetraborate decahydrate	Harmful if swallowed. In food handling areas, only crack and crevice treatments are allowed. Any product remaining outside of cracks and crevices must be cleaned up and removed.

<b>Gourmet Liquid Ant Bait</b>	73766-2	disodium octaborate tetrahydrate (basically boric acid)	Applicators and other handlers must wear chemical resistant or waterproof gloves. Keep out of reach of children. Do not contaminate food.
<b>Revenge Pre-Filled Liquid Ant Baits</b>	73766-2-4		
<b>Combat Liquid Ant Bait</b>	73766-2-64240		
<b>Bee Bopper II</b> <b>ARI Wasp and Hornet Killer</b>	7754-44	tetramethrin, d-phenothrin	Harmful if swallowed, absorbed through the skin, or inhaled. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Avoid breathing vapor or spray mist. Do not use in commercial areas where food is handled, stored, or served. The contents of this product are under pressure. Do not store near heat, sparks or open flame. Contains petroleum distillates.
<b>Termidor SC</b>	7969-210	fipronil	Harmful if swallowed, absorbed through skin or inhaled. Do not get in eyes, on skin or on clothing. Do not breathe spray mist. All handlers must wear chemical-resistant gloves. When working in an unventilated space, protective eyewear and a respirator are required. Do not apply indoors except for wall voids.
<b>TriStar 8.5 SL Insecticide</b>	8033-106-1001	acetamiprid	This product is harmful if absorbed through the skin or inhaled. Avoid contact with eyes, skin and clothing, and avoid breathing vapors or spray mist. All handlers must wear chemical-resistant gloves. This product is highly toxic to bees. Do not apply this product when bees are visiting the area. In agricultural settings, the label requires a restricted entry interval (REI) of 12 hours. Consider applying that same standard in your school setting. Linden and Basswood trees are highly attractive to bees, and they have some inherent toxicity to bees. Consider choosing a non-neonicotinoid insecticide for trees in this family ( <i>Tilia</i> species).
<b>AzaSol</b>	81899-4-74578	azadirachtin	This product is harmful if absorbed through skin. Avoid contact with skin, eyes, or clothing. It is also toxic to fish and aquatic life. In agricultural settings, a re-entry interval of four hours is required. Consider applying that same standard in your school setting. This product may be applied (as labeled) to any food crop, including the day of harvest.
<b>Rescue! WHY Attractant</b>	84565-3-49407	heptyl butyrate, acetic acid, 2-methyl-1-butanol	This product causes moderate eye irritation. Do not allow contact with your clothing because wasps, hornets, and/or yellow jackets may become attracted to you. Outdoor use only.
<b>Rescue Yellowjacket Attractant Cartridge</b>	84565-5-49407	heptyl butyrate	This product causes moderate eye irritation. Do not allow contact with your clothing because wasps, hornets, and/or yellow jackets may become attracted to you. Outdoor use only.



<b><i>Andersons Professional Turf Products 8% Granular Insecticide With Carbaryl</i></b>	9198-146	carbaryl	This product is harmful if swallowed, inhaled, or absorbed through skin. Avoid contact with skin, eyes or clothing. This product is extremely toxic to aquatic life; do not apply near water bodies.
<b><i>22-0-7 Fertilizer with Acelepryn Insecticide</i></b>	9198-247	chlorantraniliprole	This product causes moderate eye irritation. Avoid contact with eyes or clothing. This product is toxic to some aquatic life; do not contaminate water. In agricultural settings, there is a required re-entry interval of 4 hours. Consider applying the same standard in your school setting.
<b><i>Spectracide Wasp &amp; Hornet Killer 4</i></b>	9688-141-8845	permethrin, tetramethrin, piperonyl butoxide	This product causes moderate eye irritation. Avoid contact with eyes or clothing. This product is also extremely toxic to aquatic life and bees. Do not contaminate water or blooming plants. Keep away from heat and flame(s). Never use indoors. Never allow the product to reach a drain, during or after application.
<b><i>Spectracide Wasp and Hornet Killer 3</i></b>	9688-190-8845	prallethrin, lambda-cyhalothrin	Never use indoors. Do not apply near sewers, drains, or gutters where drainage might reach water bodies. Do not use in or on electrical equipment. Stand a safe distance from the nest, never underneath. Storage temperatures above 130° F may cause bursting.

The products listed here meet the criteria under the law for use in and around Oregon schools and they are registered for sale in the state of Oregon.<sup>iii</sup> **Use the EPA Registration number** to match products on the list. **The same product name can be used for different products, so matching the product name(s) below to products on the shelf is not sufficient.**

**Molluscicides**

Product Name	EPA Reg. No.	Active Ingredient(s)	Read the label, use products only for labeled uses, and be aware of the following:
<i>Sluggo</i>	67702-3-54705	iron phosphate	This product causes moderate eye irritation. Avoid contact with eyes or clothing. Keep out of children's reach, before and after the application. Sweep any granules off driveways and sidewalks, back into treatment areas to avoid excess runoff.

**Fungicides**

Product Name	EPA Reg. No.	Active Ingredient(s)	Read the label, use products only for labeled uses, and be aware of the following:
<i>Headway</i> <i>(not Highway)</i>	100-1216	azoxystrobin, propiconazole	This product causes moderate eye irritation. All handlers must wear chemical-resistant gloves. In agricultural settings, the label requires a restricted entry interval (REI) of 24 hours. Consider applying that same standard in your school setting. Do not allow any of this product to come in contact with apple trees. It is toxic to fish and other aquatic life, and highly water-soluble. Groundwater could be contaminated if this product is applied where soils are permeable and the water table is shallow.
<i>Monterey Horticultural Oil</i>	48813-1-54705	mineral oil	Avoid contact with eyes, skin, or clothing. Prolonged or repeated contact with skin may cause allergic reactions. All handlers must wear chemical resistant gloves. Harmful if absorbed through skin. Do not apply during drought. In school settings, this product is only allowed for ornamental plants, including interior courtyards and greenhouse plants.

<b>Rodenticides</b>
---------------------

<b>Product Name</b>	<b>EPA Reg. No.</b>	<b>Active Ingredient(s)</b>	<b>Read the label, use products only for labeled uses, and be aware of the following:</b>
<b><i>Amdro Mole &amp; Gopher Bait</i></b>	12455-30-73342	zinc phosphide	This product is harmful if inhaled, and it causes moderate eye irritation. All handlers must wear gloves, including handlers of retrieved carcasses or unused bait. This product is extremely toxic to fish and birds. It may only be applied underground, according to very specific label directions.
<b><i>Fastrac All-Weather Blox</i></b>	12455-95	bromethalin	Any person who handles bait or retrieves carcasses must use gloves. This product is harmful if swallowed, and it's extremely toxic to mammals, birds, and fish. Tamper-resistant bait stations are required for certain locations; read the label. Protect bait from rain or snow.
<b><i>Rampage All-Weather Bait Chunx</i></b>	12455-95-3240		
<b><i>Tomcat Rat Killer II</i></b>	12455-140	bromethalin	Any person who handles bait or retrieves carcasses must use gloves. This product is harmful if swallowed, and it's extremely toxic to mammals, birds, and fish. Tamper-resistant bait stations are required for certain locations; read the label.
<b><i>Generation Mini Blocks</i></b> <b><i>Hombre Mini Blocks</i></b>	7173-218	difethialone	This product poses a significant risk to wildlife and pets that may eat sickened rodents. Be sure to employ other options, such as trapping, before using this product. This product may only be used in and around (within 100 feet) of man-made structures to control Norway rats, roof rats, and house mice. For all outdoor uses, bait stations are mandatory. If applied indoors where children pets, non-target mammals, or birds could gain access, tamper-resistant bait stations are required. Harmful if swallowed or absorbed through skin. This product causes moderate eye irritation. People who handle the product and/or rodent carcasses must wear waterproof gloves.
<b><i>Kaput Mouse Blocks</i></b>	72500-7	warfarin	All handlers must wear gloves, including handlers of retrieved carcasses or unused bait. This product is extremely toxic to mammals and birds. It may only be applied in places inaccessible to children, pets, domestic pets, and non-target wildlife, Orin tamper-resistant bait stations. Bait stations are mandatory for outdoor, above-ground use.

<b>Brigand SB Soft Bait Rodenticide</b>	87235-1	bromadiolone	This product poses a significant risk to wildlife and pets that may eat sickened rodents. Be sure to employ other options, such as trapping, before using this product. This product may only be used in and around (within 100 feet) of man-made structures to control Norway rats, roof rats, and house mice. For all outdoor uses, bait stations are mandatory. If applied indoors where children pets, non-target mammals, or birds could gain access, tamper-resistant bait stations are required.
---	---------	--------------	---

<sup>i</sup> Oregon Revised Statutes (ORS) 634.700 – 634.750

<sup>ii</sup> ORS 634.705, Section 5: A governing body shall adopt a list of low-impact pesticides for use with the integrated pest management plan. The governing body may include any product on the list except products that: (a) contain a pesticide product or active ingredient that has the signal words “warning” or “danger” on the label; (b) contain a pesticide product classified as a human carcinogen or probable human carcinogen under the United States Environmental Protection Agency 1986 Guidelines; or (c) contain a pesticide product classified as carcinogenic to humans or likely to be carcinogenic to humans under the United States Environmental Protection Agency 2003 Draft Final Guidelines for Carcinogen Risk Assessment [2009 c.501 §3]

<sup>iii</sup> Pesticide products must be registered for sale and/or distribution in the state of Oregon each year. Current product registration is verified semi-annually using this search tool from the Oregon Department of Agriculture: [http://oda.state.or.us/dbs/pest\\_productsL2K/search.lasso](http://oda.state.or.us/dbs/pest_productsL2K/search.lasso).