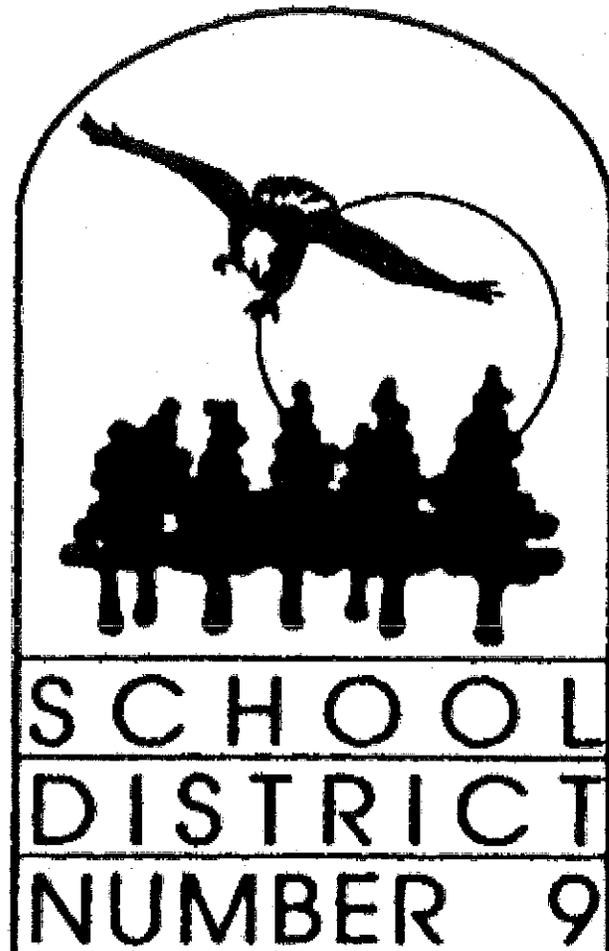


# Jackson County School District 9 Integrated Pest Management Plan



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## 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 Jackson County School District 9 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 **Jackson County School District 9 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

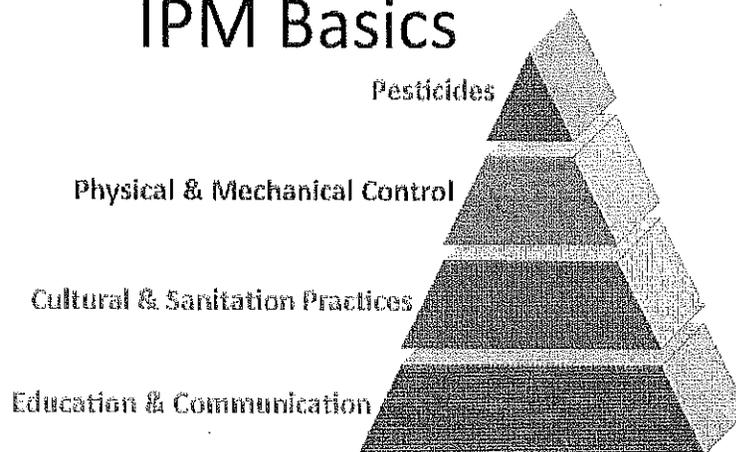
Education and Communication: The foundation for an effective IPM program is education and communication. We need to know what conditions can cause pest problems, why and how to monitor for pests, proper identification, pest behavior and biology before we can begin to manage pests effectively. Communication 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 external 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.

## IPM Basics



### 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 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 JCSD 9's IPM plan. This plan fleshes out the required strategy from ORS 634.700 – 634.750 for our school district.

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, several steps must be taken before **any** "routine" applications are allowed:

- 1) Staff must be educated on sanitation, monitoring, and exclusion as the primary means to control the pest.
- 2) An acceptable pest population density level must be established.
- 3) The use of sanitation, structural remediation or habitat manipulation, or of mechanical or biological control methods must be incorporated into the management strategy of the pest.
- 4) Documentation that the above steps were ineffective.
- 5) The pesticide label must be read thoroughly to make sure the pesticide will be used in strict compliance with all label instructions.

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

Note: ORS 634.720 states that the Coordinator "must be an employee of the governed district, unit, school or entity, unless the governing body delegates pest management duties to an independent contractor."

The **JCSD 9 Board of Directors** designates the Maintenance Supervisor as the IPM Plan Coordinator. The Coordinator is key to successful IPM implementation in JCSD 9, 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 shall include at least a general review of IPM principles and the requirements of ORS 634.700 – 634.750.

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

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

**C. Overseeing pest prevention efforts;**

The Coordinator will work with custodians, teachers, and maintenance 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 V) is followed;**

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

**E. Assuring that all notification, posting, and record-keeping requirements in section VI are met when the decision to make a pesticide application is made;**

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

**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.

**V. IPM DECISION-MAKING PROCESS**

**A. Responsibilities of School District Employees**

**1. IPM Plan Coordinator Responsibilities**

See Section IV above

**2. Custodial Services Responsibilities**

Custodial Services staff are responsible for the following:

- 1) Taking and passing an annual IPM training provided by the IPM Plan Coordinator (or designee).
- 2) Keeping records of pest complaints using pest logs placed in the staff lounge, cafeteria, and kitchen.

- 3) Sealing up small cracks or holes when reported by teachers or noticed by custodian when this can be done in a short time.
- 4) Recording his/her pest management actions in the pest logs.
- 5) Reporting pest problems/conditions that he/she cannot resolve in less than 5 minutes to the IPM Plan Coordinator.
- 6) Reporting teachers to the IPM Plan Coordinator who repeatedly refuse to reduce clutter and other pest-conducive conditions in their classrooms.
- 7) Confiscating any unapproved pesticides (such as aerosol spray cans) discovered during inspections or regular duties and delivering them to the IPM Plan Coordinator.
- 8) Following up on issues found in annual inspection report as instructed by the IPM Plan Coordinator (IPM Plan Coordinator will determine which schools receive annual inspections based on pest and pesticide use history).

### **3. Maintenance/Construction Responsibilities**

Staff involved in facilities maintenance and construction is responsible for working with the IPM Plan Coordinator to ensure their daily tasks, projects and operations enhance effective pest management. This includes:

- 1) Receiving training from the IPM Plan Coordinator (or designee of the Coordinator) on the basic principles of IPM, sealing pest entry points, and sanitation during construction projects.
- 2) Continually monitoring for pest conducive conditions during daily work, and sealing small holes and cracks when noticed.
- 3) Working with the 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.
- 4) Developing protocols and provisions for pest avoidance and prevention during construction and renovation projects. The IPM Plan Coordinator has the authority to halt construction projects if these protocols and provisions are not being met.

#### **4. Grounds Department Responsibilities**

Grounds crews are responsible for:

- 1) Attending annual IPM training provided by the IPM Plan Coordinator (or designee).
- 2) Keeping vegetation (including tree branches and bushes) at least three feet from building surfaces.
- 3) Proper mulching in landscaped areas to reduce weeds.
- 4) Proper fertilization, over-seeding, mowing height, edging, drainage, aeration, and irrigation scheduling in turf areas to reduce weeds.
- 5) When the decision is made to apply a pesticide, following notification, posting, record-keeping and reporting protocols in Section VI.

#### **5. Kitchen Staff Responsibilities**

Kitchen staff are responsible for:

- 1) Attending annual IPM training provided by the IPM Plan Coordinator (or designee).
  - 2) Assuring floor under serving counters is kept free of food and drink debris.
  - 3) Promptly emptying and removing corrugated cardboard materials.
  - 4) Keeping exterior kitchen doors closed.
  - 5) Reporting pest conducive conditions that require maintenance (e.g., leaky faucets, dumpster too near building, build-up of floor grease requiring spray-washing, etc.) to proper staff either orally or using pest logs.
- 3) Participating in any inspections conducted by custodian or IPM Plan Coordinator.

#### **6. School Faculty Responsibilities**

School faculty are responsible for:

- 1) Attending annual basic IPM training provided by the IPM Plan 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 custodian, either orally or via the pest logs.
- 5) Following first steps of protocol for ant management before notifying the custodian (clean up any food the ants are eating, kill visible ants, wipe down area where ants were with soapy water, notify custodian only if ants continue to be found after following these steps).

### **7. School Principal Responsibilities**

The School Principal is responsible for:

- 1) Scheduling time for teachers to receive annual training provided by the IPM Plan 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 Plan Coordinator's instructions.
- 4) Working with the IPM Plan Coordinator to make sure all notifications of pesticide applications reach all faculty, administrators, staff, adult students and parents.
- 5) Assuring that all staff fulfill their role as outlined in the district's IPM plan (reducing pest conducive conditions, participation in monitoring and pest log recording, attendance at IPM training(s), cooperation with the district's IPM Plan Coordinator).

### **B. Monitoring – Reporting – Action Protocol**

Monitoring is the most important requirement of ORS 634.700 – 634.750. It is the backbone of JCSD 9 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. Three levels of monitoring**

There are three levels of monitoring:

- 1) Casual observing/looking with no record keeping is not helpful
- 2) Casual observing/looking with written observations can be useful
- 3) Careful inspections with written observations is always useful

### Level 2 monitoring (all staff)

All staff will be trained to improve their "casual observing/looking" to level 2, and to report any pests and pest-conducive conditions they observe. Level 2 monitoring is conducted by faculty, administration, maintenance/construction, kitchen staff, school nurses, etc.

After a brief (15 – 20 minute) training by the IPM Plan 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 by jotting observations down in a Pest Log or reporting them to the custodian/plant engineer for him/her to write them down.

### Level 3 monitoring (Coordinator and Custodial staff)

The IPM Plan Coordinator (or designee) and Plant Engineers/Custodians will periodically conduct monitoring at level 3. Coordinator and Custodial staff will monitor structures:

- Pest conducive conditions inside and outside the building (structural deterioration, holes that allow pests to enter, conditions that provide pest harborage)
- The level of sanitation inside and out (waste disposal procedures, level of cleanliness inside and out, conditions that supply food and water to pests)
- The amount of pest damage and the number and location of pest signs (rodent droppings, termite shelter tubes, cockroaches caught in sticky traps, etc.)
- Human behaviors that affect the pests (working conditions that make it impossible to close doors or screens, food preparation procedures that provide food for pests, etc.)
- Their own management activities (caulking/sealing, cleaning, setting out traps, treating pests, etc.) and their effects on the pest population.

### Level 3 monitoring (Grounds staff)

Grounds staff will monitor Turf and Landscape:

- The condition of the plants (vigor and appearance)

- The amount of plant damage
- Kind and abundance of pests (weeds, insects, mites, moles, etc.) as well as natural enemies (ladybugs, spiders, lacewing larvae, syrphid fly larvae, etc.)
- Weather conditions (record any unusually dry, hot, wet, or cold weather in the past few weeks)
- Proper drainage
- Human behaviors that affect the plants or pests (foot traffic that compacts the soil, physical damage to plants caused by people, insistence on having certain plants grow in inappropriate situations, etc.)
- Management activities (pruning, fertilizing, mulching, aeration, treating pests, etc.) and their effects on the plants and the pest population.

## **2. *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 will be made aware of the traps and their purpose so they don't disturb them.

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

When staff observe pests or pest conducive conditions they should jot them down in a Pest Log or report them to the custodian for him/her to write them down.

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

"A pest of concern" is a pest determined to be a public health risk or a significant 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 immediately tell the building plant engineer/custodian. The plant engineer/custodian must contact the IPM Plan Coordinator promptly.

## **5. Action!**

### **a) Structural**

Any items (such as sealing up holes) that maintenance/construction staff or custodial staff observe (or see on Pest Logs) that they can resolve in less than 15 minutes should be taken care of and this follow up action should be noted in the Pest Log.

Plant Engineer staff will review Pest Logs twice per month. Any items he/she cannot resolve in less than 15 minutes should be marked in order of priority.

Pest Logs will be faxed to the IPM Plan Coordinator once per week if needed. The Coordinator will determine further actions to be taken and when.

If the actions needed are not something the Coordinator can accomplish alone or with minimal assistance, the Coordinator will meet with maintenance/construction and/or the Pest Management Professional (PMP) to develop a protocol and priority list with deadlines for sealing holes, installing external door sweeps, and other pest exclusion or pest management needs. The Coordinator will then generate a work order with a proposed deadline for completion based on the severity of the risk or nuisance.

The Coordinator will monitor the completion of the work order. If the work is not completed by the proposed deadline, the Coordinator will write a follow-up e-mail to maintenance/construction and/or the Pest Management Professional (PMP), with a Cc to the governing body. Upon completion of the work, the Coordinator and the school plant engineer/custodian will be notified.

The Coordinator will keep records of time and money spent to manage the pest, including copies of original receipts.

### **Small Ants:**

When staff observe a small number of ants (e.g. under 10 ants) they must:

- 1st) Spend two minutes trying to find out where the ants are coming from
- 2nd) Kill the ants with a paper towel or similar

- 3rd) Remove any food or liquid the ants were eating
- 4th) Wipe down the area with soapy water or disinfectant to remove pheromone trails
- 5th) Jot down the above in the Pest Log

If the ants come back or there are more than a small number (e.g. under 10 ants) of them:

- 1st) Spend two minutes trying to find out where the ants are coming from
- 2nd) Jot down the above in the Pest Log
- 3rd) Ask the custodian to come with vacuum and sealant as soon as he/she is able

The custodian will:

- 1st) Spend two minutes trying to find out where the ants are coming from
- 2nd) Vacuum up the ants and any food debris nearby (vacuum up a tablespoon of cornstarch to kill most of the ants in the vacuum bag, then put the vacuum bag inside plastic garbage bag, seal it, and dispose of it properly)
- 3rd) Seal up the crack or hole where the ants were coming from (do what can be done in less than 15 minutes)
- 4th) Wipe down the area with soapy water or disinfectant to remove pheromone trails
- 5th) Jot down the above in the Pest Log

To avoid a proliferation of small ants and/or unnecessary applications of pesticides, the routine use of ant baits is not permitted without first:

- 1st) Educating staff on sanitation, monitoring, and exclusion as the primary means to control the ants.
- 2nd) Establishing an acceptable pest population density (e.g. 10 ants).
- 3rd) Improving sanitation (e.g. cleaning up crumbs and other food sources) and structural remediation (sealing up cracks or holes where the ants are coming from).

For more detailed information on small ants, see Appendix 1a.

#### b) Grounds

When pests on grounds reach a threshold established by the Grounds staff and the IPM Plan Coordinator, action will be taken as per the matrices in Appendix 1-f.

### **6. Acceptable Thresholds (pest population density levels)**

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 Plan Coordinator and district administration.

### **C. Inspections**

#### **1) Routine Inspections**

The IPM Plan Coordinator will conduct routine inspections of different schools throughout the year. Site plant engineers are required to accompany the Coordinator during the inspections. The inspections will typically last one to two hours and will focus on compliance with this plan and an inspection of the kitchen, staff room, and any other place of concern. After each routine inspection the Coordinator will write a one-page report on findings and recommendations. The report will be submitted to the school principal and plant engineer.

#### **2) Annual Inspections**

The IPM Plan Coordinator will conduct annual inspections at individual schools. Site plant engineers are required to assist the Coordinator with the annual inspection. The annual inspections will be more thorough than the routine inspections, and will use the Annual IPM Inspection Form (see Appendix 2) to guide the inspections. The specific schools to be inspected will be determined by the IPM Plan Coordinator and district administration based on a review of the annual number of pest problems and pesticide applications reported in the Annual IPM Report and Annual Report of Pesticide Applications.

### **D. 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.

### **E. Annual IPM Report (completed by IPM Plan Coordinator)**

In January of each year, the IPM Plan Coordinator will provide an annual IPM report. The report will include a summary of data gathered from Pest Logs, 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. See Appendix 9 for a template for the annual IPM report.

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)

## **VI. REQUIRED TRAINING/EDUCATION**

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 Training**

ORS 634.720 (2) requires that the IPM Plan Coordinator “shall complete not less than six hours of training each year. The training shall include at least a general review of IPM principles and the requirements of ORS 634.700 to 634.750.”

Content should include health and economic issues associated with pests in schools, exclusion practices, pest identification and biology for common pests, common challenges with monitoring-reporting-action protocols, proper use of sticky monitoring traps for insects, and hands-on training on proper inspection techniques.

Contact your Education Service District or the OSU School IPM Program for information on OSU-approved training courses.

### **B. Training for Custodial Staff**

The IPM Plan Coordinator (or a designee of the Coordinator) will train plant engineer/custodial staff at least annually on sanitation, monitoring, inspection, and reporting, and their responsibilities as outlined in Section V. A.

### **C. Training for Maintenance and Construction Staff**

The IPM Plan Coordinator (or a designee of the Coordinator) will train maintenance staff at least annually on identifying pest conducive conditions and mechanical control methods (such as door sweeps on external doors and sealing holes under sinks), and their responsibilities as outlined in Section V. A.

### **D. Training for Grounds Staff**

The IPM Plan Coordinator (or designee) will train grounds staff at least once per year. Each year before the training, the grounds staff will meet with the IPM Plan 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 in Section V.A.) 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/>), and the matrices in Appendix 1-g. Grounds staff will also be trained in basic monitoring for common pests on grounds.

### **E. Training for Kitchen Staff**

The IPM Plan Coordinator (or a designee of the Coordinator) will train kitchen staff at least once per year on the basic principles of IPM and their responsibilities as outlined in Section V. A.

### **F. Training for Faculty and Principal**

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

### **G. Other Training**

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

## **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 in the best way possible.

### **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 pre-requisite to the approval of any application of a low-risk pesticide. This documentation will remain on file with the IPM Plan Coordinator and at the school site.*

No non-emergency pesticide applications may occur in or around a school until after 3:30 PM on weekdays while school is in session, 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 reentry 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 Plan 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 the district administration.*
- 3) *The district administration shall review and take formal action on any recommendations in the report.*

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 IPM Plan 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 each site and at 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 school where the application occurred, 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 an annual report of all pesticide 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

## **VII. 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.

The most current list of approved low-impact pesticides is available at each site and the maintenance office.

## LIST OF APPENDICES

### Appendix 1 Pest Management for Specific Pests

(Lifecycle, What-Where-How they Eat/Drink/Shelter, Monitoring, Prevention, Threshold Levels, Management Options, Evaluation of Options Chosen for Specific Pests)

- a-Ants (Small Ants)
- b-Ants (Carpenter Ants)
- c-Bats
- d-Bed Bugs
- e-Nesting birds (starlings, sparrows, swallows, pigeons)
- f-Geese
- g-Grounds Pests
- h-Mice (House Mouse)
- i-Rats (Norway Rat)
- j-Yellowjackets and Paper Wasps

### Appendix 2 Annual Inspection Form

### Appendix 3 Pest Logs

Appendix 4 Outlines of Training for Custodians, Maintenance/Construction Staff, Grounds Staff, Kitchen Staff, and Faculty

Appendix 5 Template for annual fall notification of potential pesticides to be used

Appendix 6 Pesticide Application Notification Form

Appendix 7 Pesticide Application Posting Sign

Appendix 8 Pesticide Application Recordkeeping Form

Appendix 9 Template for Annual IPM Report

Appendix 10 Template for Annual Pesticide Application Report

Appendix 11 Hiring an Outside Contractor

- In-House vs. Contractor

- Bid Specifications – Important Things to Remember

- Sample Bid

Appendix 12 References and Source Materials

Appendix 13 Low-Impact Pesticides List



# Notice

Date

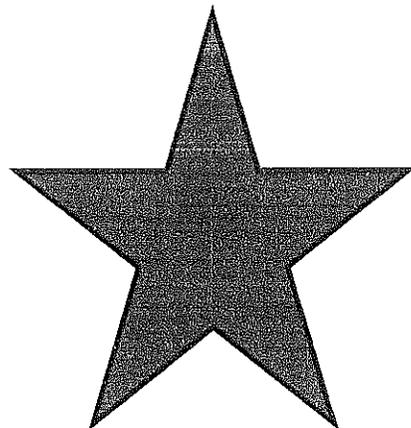
Spray Insect  
Application  
Facility Perimeter Only

Completed      Time  
Date

Questions?

Please Contact

Ken Gruenwald  
IPM Coordinator  
541 830-6377



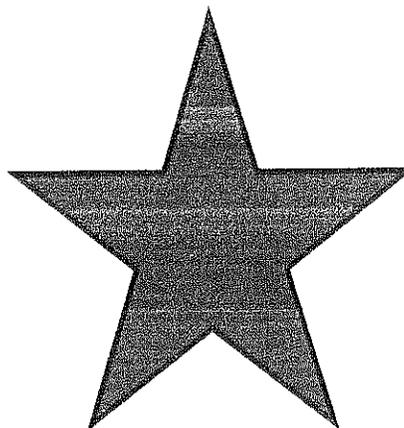
# Notice

Date

Spray Insect  
Application  
Facility Interior Only

Completed      Time  
                    Date

Questions?  
Please Contact  
Ken Gruenwald  
IPM Coordinator  
541 830-6377





*Seen any rodents, bugs, or "conductive conditions" lately?  
Please jot down your observations for us!*

**Integrated Pest Management**

**Pest Log: KITCHEN**

Report of Pest Sighting				Respondent	
Date	Name	Location in the kitchen	Pest/Problem Description	Action Taken and Cost (if any)	Initials & Date

*Seen any rodents, bugs, or "conductive conditions" lately?  
Please jot down your observations for us!*

**Integrated Pest Management**

**Pest Log: STAFF LOUNGE**

Report of Pest Sighting				Respondent	
Date	Name	Room# and location	Pest/Problem Description	Action Taken and Cost (if any)	Initials & Date

Seen any rodents, bugs, or "conducive conditions" lately?  
Please jot down your observations for us!

**Integrated Pest Management**

**Pest Log: CAFETERIA**

Report of Pest Sighting				Respondent	
Date	Name	Location in the cafeteria	Pest/Problem Description	Action Taken and Cost (if any)	Initials & Date

Seen any rodents, bugs, or "conducive conditions" lately?  
Please jot down your observations for us!

**Integrated Pest Management**

**Pest Log:** \_\_\_\_\_

Report of Pest Sighting			Respondent		
Date	Name	Location in the kitchen	Pest/Problem Description	Action Taken and Cost (if any)	Initials & Date

## Template for Annual IPM Report

January \_\_\_\_, 20XX

Report completed by IPM Plan Coordinator

Report submitted to the Jackson County School District 9 Administration

Notes:

Pages 2 – 3 of this template are to be used by IPM Plan Coordinator to tabulate data from individual schools. This data should then be summed up and input into pages 4 – 5. Data on pages 4 – 5 should be included in the annual report, along with a short written summary of the overall pest management for the year.

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 of IPM Plan)

**Short Written Summary of Overall Pest Management for the Year:**

**DATA FROM INDIVIDUAL SCHOOL (first part)**

**Name of School** \_\_\_\_\_

**Pests, pest-conducive conditions, actions taken, Costs (taken from pest logs):**

**Number of Pest Sightings Reported:**

Small ants \_\_\_\_\_  
Bats \_\_\_\_\_  
Cockroaches \_\_\_\_\_  
Spiders \_\_\_\_\_  
Yellow Jackets \_\_\_\_\_  
Other \_\_\_\_\_

**Number and Type of Pest Conducive Conditions:**

Standing water in Kitchen \_\_\_\_\_  
Window screens missing or torn \_\_\_\_\_  
Gap under external door \_\_\_\_\_  
Other \_\_\_\_\_

**Number of Actions Taken:**

Sanitation – Cleaned up Area \_\_\_\_\_  
Reduced Clutter \_\_\_\_\_  
Set rodent traps \_\_\_\_\_  
Sealed up hole or crack \_\_\_\_\_  
Fixed screen \_\_\_\_\_  
Installed external door sweep \_\_\_\_\_  
Pesticide Application \_\_\_\_\_

**Breakdown of prevention and management steps taken that proved to be ineffective and led to the decision to make a pesticide application:**

Pest Problem and Date(s) \_\_\_\_\_

Prevention and Management Steps and Date(s):

Why Prevention and Management Steps Ineffective:

Pesticide Applied and Date: \_\_\_\_\_

***DATA FROM INDIVIDUAL SCHOOL (second part)***

**Costs (from Pest Logs):**

Sticky traps

Mouse traps

Rat traps

Pest Management Professional

Pesticides

**Total:**

**Costs (from Grounds Records):**

Propane Fuel for flame weeders

Mole Traps

Pest Management Professional

Pesticides

**Total:**

**DATA FROM SCHOOL DISTRICT (first part)**

**Name of School District** \_\_\_\_\_

**Pests, pest-conducive conditions, actions taken, Costs (taken from pest logs):**

**Number of Pest Sightings Reported:**

Small ants \_\_\_\_\_

Bats \_\_\_\_\_

Cockroaches \_\_\_\_\_

Spiders \_\_\_\_\_

Yellow Jackets \_\_\_\_\_

Other \_\_\_\_\_

**Number and Type of Pest Conducive Conditions:**

Standing water in Kitchen \_\_\_\_\_

Window screens missing or torn \_\_\_\_\_

Gap under external door \_\_\_\_\_

Other \_\_\_\_\_

**Number of Actions Taken:**

Sanitation – Cleaned up Area \_\_\_\_\_

Reduced Clutter \_\_\_\_\_

Set rodent traps \_\_\_\_\_

Sealed up hole or crack \_\_\_\_\_

Fixed screen \_\_\_\_\_

Installed external door sweep \_\_\_\_\_

Pesticide Application \_\_\_\_\_

**Breakdown of prevention and management steps taken that proved to be ineffective and led to the decision to make a pesticide application:**

Pest Problem and Date(s) \_\_\_\_\_

Prevention and Management Steps and Date(s):

Why Prevention and Management Steps Ineffective:

Pesticide Applied and Date: \_\_\_\_\_

***DATA FROM SCHOOL DISTRICT (second part)***

**Costs (from Pest Logs):**

Sticky traps

Mouse traps

Rat traps

Pest Management Professional

Pesticides

**Total:**

**Costs (from Grounds Records):**

Propane Fuel for flame weeders

Mole Traps

Pest Management Professional

Pesticides

**Total:**

SHAKE WELL BEFORE USING (AGITE BIEN ANTES DE USAR)

**READ ENTIRE LABEL BEFORE USE.**

**DIRECTIONS FOR USE**

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Never use indoors.

Do not water the treated area to the point of runoff. Do not make applications during rain.

All outdoor applications must be limited to spot or crack-and-crease treatments only, except for the following permitted uses:

1. Treatment to soil or vegetation around structures
2. Applications to lawns, turf and other vegetation
3. Outdoor applications to impervious surfaces such as sidewalks, driveways, patios, porches and structural surfaces such as windows, doors and eaves
4. Applications to exterior walls of structures

Applications are limited to spot and crack-and-crease applications only. Application is prohibited directly into sewers or drains, or to any area like a gutter where drainage systems drain rainwater, water runoff or aquifer recharge water. Do not allow the product to enter any drain during or after application.

**WASPS, HORNETS & YELLOW JACKETS**

1. Apply at sunset when insects are least active.
  2. Stand a safe distance from the nest. Don't stand directly underneath.
  3. Shake can well before each use. Aim spray away from person, push button to spray.
  4. Spray the nest until soaked. This product's powerful spray will also kill insects that return to the nest over the next few days.
  5. Wait at least 24 hours before reentering the nest.
- Use of this product on swarms and hives is not recommended as damage may result.

This product is non-staining to most home siding depending on type of material. Do not spray directly on siding. Wash siding with water after use. Test in an inconspicuous area and recheck in a few hours.

**OTHER PESTS**

Test Caterpillars: Apply in the late afternoon or evening when caterpillars have returned to their tents. Soak tents on all sides. Swarms: Stand at a safe distance and use the power of the jet spray to reach and cover the scorpion. Ants: Spray trails, nest and point of entry. Spray on ants where possible.

**USE TIPS**

- If it's windy, stand with the wind at your back to avoid spray drift.
- Do not use this product in or on electrical equipment due to possibility of shock hazard.

**STORAGE AND DISPOSAL**

Storage: Store in cool, dry area away from heat or open flame. Do not store near children or pets. Do not store anything by mouth to an unconscious person. If on Skin or Clothing: Take off contaminated clothing, rinse skin immediately with plenty of water for 15-20 minutes. Call a Poison Control Center or doctor for treatment advice.

**PRECAUTIONARY STATEMENTS**

Hazards to Humans and Domestic Animals: Irritant. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling.

**First Aid**

If Swallowed: Immediately call a Poison Control Center or doctor. Do not induce vomiting. If on Skin or Clothing: Take off contaminated clothing, rinse skin immediately with plenty of water for 15-20 minutes. Call a Poison Control Center or doctor for treatment advice. Have the product container with you when calling a Poison Control Center or doctor, or going for treatment. Made to Physicians: Contains petroleum distillates --- vomiting may cause aspiration pneumonia.

Environmental Hazards: This pesticide is toxic to fish. Do not apply directly to water. Aquatic Invertebrates: Contains petroleum distillates. Do not use or allow near waterways. Birds: Contains petroleum distillates. Do not use or allow near waterways above 100 ft. may cause nuisance.

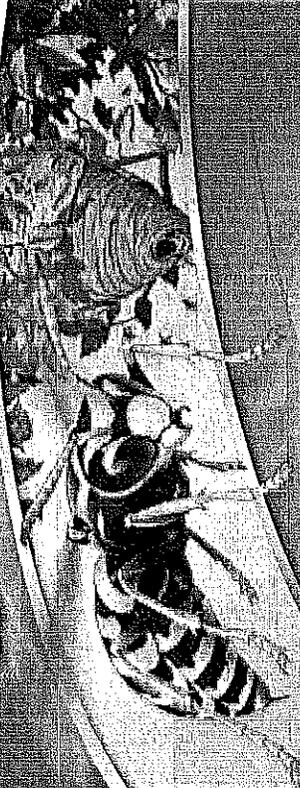
**NO OREGON**  
NOTICE: To the extent consistent with applicable law, Bayer assumes all responsibility for safety and use not in accordance with directions. Questions & Comments? Call 1-800-977-5438 or visit our website at www.spectracide.com

Distributed by Spectram Group  
Division of United Industries Corporation  
PO Box 44242, St. Louis, MO 63114-0642  
EPA Reg. No. 5688-199-90-95  
EPA Est. Nos. 5688-MO-1-10, 5657-MO-2-10  
5896R-MO-1-10, 11623-6A-10  
Circle number is first letter of lot number.  
11-11244 © 2010 UIC

20 oz Value Size!



# Spectracide



# WASP & HORNET KILLER

up to 27 ft. Jet Spray  
Eliminates the Nest  
Non-Staining Formula  
KILLS ON CONTACT

Use outdoors where insects live and breed

CAUTION  
KEEP OFF OF FOLIAGE, TREES, FENCES, SEWER VENTS, AND PAINTED SURFACES  
NEVER USE IN OR NEAR WATER  
NEVER USE IN OR NEAR FOOD

# Talstar® P

## PROFESSIONAL INSECTICIDE

To control pests indoors and outdoors on residential, institutional, public, commercial, and industrial buildings, greenhouses, animal confinement facilities/livestock premises, kennels, food handling establishments, and lawns, ornamentals, parks, recreational areas and athletic fields.

When used as a termiticide, individuals/firms must be licensed by the state to apply termiticide products. States may have more restrictive requirements regarding qualifications of persons using this product. Consult the pest control regulatory agency of your state prior to use of this product.

Provides up to 1 month residual control of house flies  
Kills fleas for up to 3 months

EPA Reg. No. 279-3206	EPA Est. 279-NY-1
Active Ingredient:	By Wt.
Bifenthrin* .....	7.9%
Other Ingredients: .....	92.1%
	100.0%

Talstar® P Professional Insecticide contains 2/3 pound active ingredient per gallon.

\*Cis isomers 97% minimum, trans isomers 3% maximum.

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

# FMC

FMC Corporation  
Agricultural Products Group  
1735 Market Street  
Philadelphia PA 19103

**Net Contents: 1 Gallon**

04/17/13

FIRST AID	
If swallowed	<ul style="list-style-type: none"> <li>• Call poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
If inhaled	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
If on skin or clothing	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
If in eyes	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
HOTLINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-(800)-331-3148 for Emergency Assistance.	
NOTE TO PHYSICIAN	
This product is a pyrethroid. If large amounts have been ingested, the stomach and intestine should be evacuated. Treatment is symptomatic and supportive. Digestible fats, oils, or alcohol may increase absorption and so should be avoided.	
For Information Regarding the Use of this Product Call 1-800-321-1FMC (1362).	

### PRECAUTIONARY STATEMENTS Hazards to Humans (and Domestic Animals) CAUTION

Harmful if swallowed, inhaled or absorbed through skin. Avoid contact with skin, eyes or clothing. Avoid breathing spray mist. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove contaminated clothing and wash before reuse.

All pesticide handlers (mixers, loaders and applicators) must wear long-sleeved shirt and long pants, socks, shoes and chemical-resistant gloves. After the product is diluted in accordance with label directions for use, and/or when mixing and loading using a closed spray tank transfer system (such as U-Turn®), or an in-line injector system, shirt, pants, socks, shoes and waterproof gloves are sufficient. In addition, all pesticide handlers must wear a respiratory protection device<sup>1</sup> when working in a non-ventilated space. All pesticide handlers must wear protective eyewear when working in non-ventilated space.

<sup>1</sup>Use one of the following NIOSH approved respirator with any R, P or HE filter

or a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any R, P or HE prefilter.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

#### User Safety Recommendations:

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

# DuPont™ Advion®

## COCKROACH GEL BAIT

### Professional Products

**FOR USE BY COMMERCIAL APPLICATORS ONLY  
FOR USE IN RESIDENTIAL, INSTITUTIONAL,  
COMMERCIAL, AND INDUSTRIAL AREAS**

Use sites include but are not limited to single and multi-family residential buildings, schools, commercial and industrial facilities (including warehouses, apartments, supermarkets, restaurants, motels, hotels, hospitals, food handling/storage establishments), and transportation equipment such as aircraft, trains, ships, boats, buses.

<i>Active Ingredient</i>	<i>By Weight</i>
Indoxacarb (S)-methyl 7-chloro-2,5-dihydro-2-[[methoxy-carbonyl]4(trifluoromethoxy)phenyl]amino]-carbonyl]indeno[1,2-e][1,3,4]oxadiazine-4a-(3H)-carboxylate	0.6%
<i>Other ingredients</i>	99.4%
TOTAL	100.0%

EPA Reg. No. 352-652  
EPA Est. No. XXX-XXX

Net Contents: (insert no.) pre-filled plastic dispensers  
Total Weight: xx oz/ xx g (xx oz/xx g per dispenser)

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

**AVOID TREATING AREAS THAT ARE  
EASILY ACCESSIBLE TO CHILDREN  
AND PETS**

Refer to back/side panels for additional precautionary statements and First Aid

**FIRST AID**

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-441-3637 for emergency medical treatment information.

For information on the use of this product call DuPont Professional Products at 1-888-6-DUPONT (1-888-638-7668)

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC  
ANIMALS**

**CAUTION:** Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling.

**ENVIRONMENTAL HAZARDS**

Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark.

**PHYSICAL AND CHEMICAL HAZARDS**

Do not use this product in or on electrical equipment where a possibility of shock hazard exists.



*The miracles of science™*

# DuPont™ Advion®

## ANT GEL

**INTENDED FOR USE BY COMMERCIAL APPLICATORS.**

**FOR USE IN RESIDENTIAL, INSTITUTIONAL, COMMERCIAL, AND INDUSTRIAL AREAS**

Use sites include single and multi-family residential buildings, schools, commercial and industrial facilities (including warehouses, apartments, supermarkets, restaurants, motels, hotels, hospitals, zoos, food handling/storage establishments) and transportation equipment such as aircraft, trains, ships, boats, and buses.

<u>Active Ingredient</u>	<u>By Weight</u>
Indoxacarb*	
(S)-methyl 7-chloro-2,5-dihydro-2-[[[(methoxycarbonyl)[4(trifluoromethoxy)phenyl]amino]carbonyl]indeno[1,2-e][1,3,4]oxadiazine-4a-(3H)-carboxylate	0.05%
<u>Other ingredients</u>	99.95%
<b>TOTAL</b>	<b>100.00%</b>

\*Indoxacarb belongs to the oxadiazine chemical class.

EPA Reg. No. 352-746

EPA Est. No. XXX-XXX

NET CONTENTS: Contains pre-filled plastic dispensers

Total Weight: xx oz/xx g (xx oz/xx g per dispenser)

E. I. du Pont de Nemours and Company  
1007 Market Street  
Wilmington, Delaware 19898

**KEEP OUT OF REACH OF CHILDREN**

### CAUTION

**DO NOT TREAT AREAS THAT ARE EASILY ACCESSIBLE TO CHILDREN AND PETS**

Refer to back/side panels for additional precautionary statements and First Aid

#### FIRST AID

Have the product container with you when calling poison control center or doctor, or going for treatment. You may also contact 1-800-441-3637 for emergency medical treatment information.

For information on the use of this product call DuPont Professional Products at 1-888-6-DUPONT (1-888-638-7668)

#### PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION:** Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling.

#### ENVIRONMENTAL HAZARDS

Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark.

#### PHYSICAL AND CHEMICAL HAZARDS

Do not use this product in or on electrical equipment where a possibility of shock hazard exists.



*The miracles of science™*

## ATTENTION:

This specimen label is provided for general information only.

- This pesticide product may not yet be available or approved for sale or use in your area.
- It is your responsibility to follow all Federal, state and local laws and regulations regarding the use of pesticides.
- Before using any pesticide, be sure the intended use is approved in your state or locality.
- Your state or locality may require additional precautions and instructions for use of this product that are not included here.
- Monsanto does not guarantee the completeness or accuracy of this specimen label. The information found in this label may differ from the information found on the product label. You must have the EPA approved labeling with you at the time of use and must read and follow all label directions.
- You should not base any use of a similar product on the precautions, instructions for use or other information you find here.
- Always follow the precautions and instructions for use on the label of the pesticide you are using.

2120313-23



The complete broad-spectrum postemergence professional herbicide for industrial, turf and ornamental weed control.

### Complete Directions for Use

AVOID CONTACT OF HERBICIDE WITH FOLIAGE, STEMS, EXPOSED NON-WOODY ROOTS OR FRUIT OF CROPS, DESIRABLE PLANTS AND TREES, BECAUSE SEVERE INJURY OR DESTRUCTION IS LIKELY TO RESULT.

GROUP	9	HERBICIDE
-------	---	-----------

EPA Reg. No. 524-529

2010-1

Read the entire label before using this product.

Use only according to label instructions.

Not all products listed on this label are registered for use in California. Check the registration status of each product in California before using.

Read the "LIMIT OF WARRANTY AND LIABILITY" statement at the end of the label before buying or using. If terms are not acceptable, return at once unopened.

THIS IS AN END-USE PRODUCT. MONSANTO DOES NOT INTEND AND HAS NOT REGISTERED IT FOR REFORMULATION. SEE INDIVIDUAL CONTAINER LABEL FOR REPACKAGING LIMITATIONS.

## 1.0 INGREDIENT

### ACTIVE INGREDIENT:

*Glyphosate, N-(phosphonomethyl)glycine, in the form of its isopropylamine salt.....	50.2%
OTHER INGREDIENTS (including 13% surfactant):.....	49.8%
	100.0%

\*Contains 600 grams per liter or 5 pounds per U.S. gallon of the active ingredient glyphosate, in the form of its isopropylamine salt. Equivalent to 445 grams per liter or 3.7 pounds per U.S. gallon of the acid glyphosate.

This product is protected by U.S. Patent No. 4,405,531. Other patents pending. No license granted under any non-U.S. patent(s).

## 2.0 IMPORTANT PHONE NUMBERS

1. FOR PRODUCT INFORMATION OR ASSISTANCE IN USING THIS PRODUCT, CALL TOLL-FREE,

1-800-332-3111

2. IN CASE OF AN EMERGENCY INVOLVING THIS PRODUCT, OR FOR MEDICAL ASSISTANCE, CALL COLLECT, DAY OR NIGHT,

(314)-694-4000

## 3.0 PRECAUTIONARY STATEMENTS

### 3.1 Hazards to Humans and Domestic Animals

Keep out of reach of children.

**CAUTION!**

### CAUSES MODERATE EYE IRRITATION

Avoid contact with eyes or clothing.

<b>FIRST AID:</b> Call a poison control center or doctor for treatment advice.	
<b>IF IN EYES</b>	<ul style="list-style-type: none"><li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li><li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li></ul>
<ul style="list-style-type: none"><li>• Have the product container or label with you when calling a poison control center or doctor, or going for treatment.</li><li>• You may also contact (314) 694-4000, collect day or night, for emergency medical treatment information.</li><li>• This product is identified as Roundup PRO® Concentrate Herbicide, EPA Registration No. 524-529.</li></ul>	

**DOMESTIC ANIMALS:** This product is considered to be relatively nontoxic to dogs and other domestic animals; however, ingestion of this product or large amounts of freshly sprayed vegetation may result in temporary gastrointestinal irritation (vomiting, diarrhea, colic, etc.). If such symptoms are observed, provide the animal with plenty of fluids to prevent dehydration. Call a veterinarian if symptoms persist for more than 24 hours.

### Personal Protective Equipment (PPE)

Applicators and other handlers must wear: long-sleeved shirt and long pants, shoes plus socks. Follow manufacturer's instructions for cleaning/maintaining Personal Protective Equipment (PPE). If there are no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

When handlers use closed systems, enclosed cabs or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides (40 CFR 170.240 (i) (4-6)), the handler PPE requirements may be reduced or modified as specified in the WPS.

**IMPORTANT:** When reduced PPE is worn because a closed system is being used, handlers must be provided all PPE specified above for "applicators and other handlers" and have such PPE immediately available for use in an emergency, such as a spill or equipment breakdown.

### User Safety Recommendations

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

## 3.2 Environmental Hazards

Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment washwaters.

## 3.3 Physical or Chemical Hazards

Spray solutions of this product can be mixed, stored and applied using only stainless steel, fiberglass, plastic or plastic-lined steel containers.

**DO NOT MIX, STORE OR APPLY THIS PRODUCT OR SPRAY SOLUTIONS OF THIS PRODUCT IN GALVANIZED STEEL OR UNLINED STEEL (EXCEPT STAINLESS STEEL) CONTAINERS OR SPRAY TANKS.** This product or spray solutions of this product react with such containers and tanks to produce hydrogen gas which may form a highly combustible gas mixture. This gas mixture could flash or explode, causing serious personal injury, if ignited by open flame, spark, welder's torch, lighted cigarette or other ignition source.

### DIRECTIONS FOR USE

It is a violation of Federal law to use this product in any manner inconsistent with its labeling. This product can only be used in accordance with the Directions for Use on this label or in separately published Monsanto Supplemental Labeling. Supplemental Labeling may be found on the internet at [www.agrian.com](http://www.agrian.com), [www.cdms.net](http://www.cdms.net) or [www.greenbook.net](http://www.greenbook.net) or obtained by contacting your Authorized Monsanto Retailer or Monsanto Company representative.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulations.

# CASORON® 4G

DICHLOROBENIL WEED AND CRASS KILLER SPECIMEN LABEL

<b>ACTIVE INGREDIENT: (% by weight)</b>	
Dichlobenil (2,6-dichlorobenzonitrile) .....	4.0%
<b>OTHER INGREDIENTS: .....</b>	<u>96.0%</u>
<b>TOTAL: .....</b>	100.0%

EPA Reg. No. 400-168-59807

EPA Est. No. 2217-KS-2

**KEEP OUT OF REACH OF CHILDREN**

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

## CAUTION

## CAUTION

FIRST AID	
<b>IF SWALLOWED:</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>IF IN EYES:</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15 to 20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>IF ON SKIN OR CLOTHING:</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15 to 20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>IF INHALED:</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.</li> <li>• Call a poison control center for further treatment advice.</li> </ul>
<p><b>EMERGENCY ASSISTANCE:</b> Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also call the following telephone numbers for emergency medical treatment.</p> <p><b>MEDICAL (24 hours a day) AND PRODUCT INFORMATION</b> 1-800-356-4647</p> <p><b>TRANSPORTATION EMERGENCY (24 hours a day)</b> (CHEMTREC) 1-800-424-9300.</p>	

Causes moderate eye irritation. Harmful if swallowed. Avoid contact with skin, eyes or clothing. Avoid breathing dust.

### Personal Protective Equipment

#### Applicators and Other Handlers Must Wear:

- A long-sleeved shirt & long pants
- Chemical-resistant gloves made of any waterproof materials
- Shoes plus socks

Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

**Engineering Control Statements:** When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) 4-6], the handler PPE requirements may be reduced or modified as specified in the WPS.

#### User Safety Recommendations

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- User should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

Net Contents: 25 Pounds (11.34 kg)





**ACTIVE INGREDIENTS:**

Triclopyr BEE, butoxyethyl ester	7.72%
Sulfentrazone	0.66%
2,4-D, 2-ethylhexyl ester	29.32%
Dicamba acid	2.22%

<b>OTHER INGREDIENTS:</b>	60.08%
<b>TOTAL</b>	<b>100.00%</b>

**THIS PRODUCT CONTAINS:**

- 0.50 lb 3,5, 6-trichloro-2-pyridinyloxyacetic acid per gallon or 5.55%.
- 0.06 lb N-[2,4-dichloro-5-[4-(difluoromethyl)-4,5-dihydro-3-methyl-5-oxo-1H-1,2,4-triazol-1-yl]phenyl] methanesulfonamide per gallon or 0.66%.
- 1.75 lbs 2,4-dichlorophenoxyacetic acid equivalent per gallon or 19.44%.
- 0.20 lb 3,6-dichloro-o-anisic acid equivalent per gallon or 2.22%.

Isomer specific by AOAC Methods.

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

*Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170.*

*Not for sale, distribution or use in Nassau or Suffolk Counties in New York State.*

*Shake well before using*



**READ THE ENTIRE LABEL FIRST.  
OBSERVE ALL PRECAUTIONS AND  
FOLLOW DIRECTIONS CAREFULLY.**

**PRECAUTIONARY STATEMENTS**

**Hazards to Human and Domestic Animals**

**CAUTION:** Harmful if swallowed. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

**Personal Protective Equipment**

Some materials that are chemical-resistant to this product are barrier laminate, nitrile rubber, neoprene rubber, and Viton. If you want more options, follow the instructions for category A on an EPA chemical-resistance category selection chart.

All mixers, loaders, applicators and other handlers must wear:

- long-sleeved shirt and long pants,
- shoes and socks, plus
- chemical-resistant gloves (except for applicators using ground boom equipment) and
- chemical-resistant apron when mixing or loading, cleaning up spills or equipment, or otherwise exposed to the concentrate.

When handlers use closed systems or enclosed cabs in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

**User Safety Requirements**

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

**User Safety Recommendations**

- Users should wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. If pesticide gets on skin, wash immediately with soap and water.
- Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

First Aid	
<b>If swallowed:</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow</li> <li>• Do not induce vomiting unless told to by a poison control center or doctor.</li> <li>• Do not give anything to an unconscious person.</li> </ul>
Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact 1-877-800-5556 for emergency medical information.	

**Environmental Hazards**

This pesticide is toxic to fish and aquatic invertebrates. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. Do not contaminate water when disposing of equipment wash waters or rinsate.

These chemicals (triclopyr, 2,4-D and dicamba) have properties and characteristics associated with chemicals detected in groundwater. The use of these chemicals in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination. Application around a cistern or well may result in contamination of drinking water or groundwater.

**DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

**Agricultural Use Requirements**

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170.

This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 24 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water is :

- coveralls,
- chemical-resistant gloves made of any water-proof material,
- chemical-resistant footwear plus socks,
- protective eyewear, and
- chemical-resistant headgear if overhead exposure is expected

**Non-Agricultural Use Requirements**

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

**Reentry Statement:** Do not enter or allow people (or pets) to enter the treated area until sprays have dried.

**1. Product Description**

Designed for turfgrass applications, TZone™ SE contains four active ingredients:

1. Triclopyr provides broad-spectrum weed control for some of the tough broadleaf weeds such as wild violet, ground ivy, oxalis and wild blackberry.
2. Sulfentrazone causes rapid desiccation and yellowing of the plant tissue on emerged, susceptible weeds. Sulfentrazone is in the aryl triazolinone family and inhibits protoporphyrinogen oxidase (Protox), a pivotal enzyme in chlorophyll production. Without this

# CL261 TECHNICAL DATA SHEET

## CLAIRE DOWN & OUT II FLYING INSECT KILLER



### PRODUCT USES

- Kills common pests: house flies, mosquitoes and others listed on back panel
- Contains Tetramethrin
- Pleasantly scented
- Indoor use

Kill flies, gnats, mosquitoes and small flying moths with this pleasant scented, water based product. Easy-to-use, convenient and effective. To Kill Flies, Gnats, Mosquitoes and Small Flying Moths: Close all doors and windows, and direct spray upward into center of room with a slow sweeping motion. Spray 5-10 seconds for average room. Wait 2 hours after application, then open windows, vents and doors for 2 hours. If an odor is still detected, additional ventilation is required. Sweep up and discard fallen insects.

### AREAS OF USE:

For Use in Residential and Non-Food Areas of Commercial, Industrial and Institutional Buildings to kill common pests such as: houseflies, fleas, gnats, small flying moths, mosquitoes.

### SPECS:

Can Size: 20 oz.  
Net Weight: 15 oz.  
Shipping Weight: 15 Lbs.  
Packaged: 12 cans per case  
UPC Number: 7 13014 11261 3  
Product Number: CL261  
Extender Tube: N

### REGULATORY:

Ozone Depleting Compounds: None  
Recyclable Package: Yes  
VOC Compliant CARB: Yes  
VOC Compliant OTC: Yes  
Flammability: Not required to be labeled as flammable

### PHYSICAL CHARACTERISTICS:

Color: Thick white emulsion  
Fragrance: Floral  
Shelf Life: 1 year +

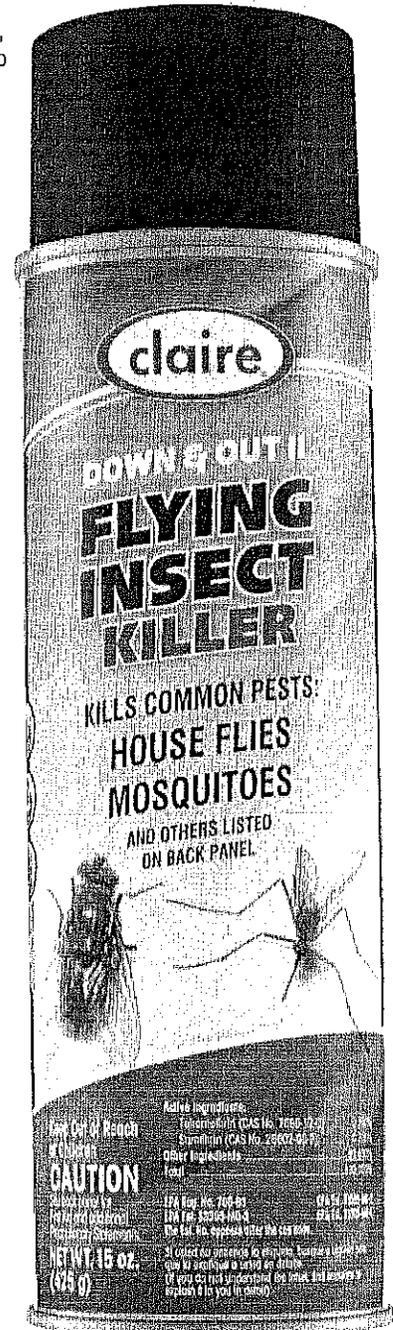
See label side panel for First Aid and additional Precautionary Statements  
**24 HOUR MEDICAL EMERGENCY NUMBER:**  
**1-866-836-8855**

**KEEP OUT OF REACH OF CHILDREN**  
**CONSULT MSDS BEFORE USING**



Contains no CFCs which deplete the ozone layer.  
Federal regulations prohibit CFC propellants in aerosols.

1005 S. Westgate Drive | Addison, IL 60101  
800-252-4731 | [www.clairemfg.com](http://www.clairemfg.com)



Ver. 2015-04-06