

**Keyes Union School District
INTEGRATED PEST MANAGEMENT PLAN**

Contacts

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IPM Statement

It is the goal of Keyes Union School District to implement IPM by focusing on long-term prevention or suppression of pests through accurate pest identification, by frequent monitoring for pest presence, by applying appropriate action levels, and by making the habitat less conducive to pests using sanitation and mechanical and physical controls. Pesticides that are effective will be used in a manner that minimizes risks to people, property, and the environment, and only after other options have been shown ineffective.

Our Pest Management Objectives are to:

- Elimination of significant threats caused by pests to the health and safety of students, staff and the public.
- Prevention of loss or damage to structures or property by pests.
- Protection of environmental quality inside and outside buildings, in playgrounds and athletic areas, and throughout the Keyes Union School District facilities.

IPM Team

In addition to the IPM Coordinator, other individuals who are involved in purchasing, making IPM decisions, applying pesticides, and complying with the Healthy Schools Act requirements, include:

| Name | Role |
|---------------|--|
| Chris Rushing | Applying Pesticides, Recordkeeping, and Making IPM Decisions |
| Homer Leazer | Applying Pesticides, Recordkeeping, and Making IPM Decisions |

Pest Management Contracting

Pest management services are contracted to a licensed pest control business.

Pest Control Business name(s): Consumers Choice Pest Control and Animal Damage Management Inc.

Prior to entering into a contract, Keyes Union School District has confirmed that the pest control business understands the training requirement and other requirements of the Healthy Schools Act.

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Pest Identification, Monitoring and Inspection

Pest identification is done by: Erik Morris

Monitoring and inspecting for pests and conditions that lead to pest problems are done regularly by the Custodians and Groundskeepers. The results are communicated to the IPM Coordinator.

Specific information about monitoring and inspecting for pests, such as locations, times, or techniques include:

- Monitoring for vertebrate pest debris by custodians in all work areas.
- Utilizing sticky monitoring boards for vertebrate and non-vertebrate pest activity. These are checked by custodians and results communicated to the IPM Coordinator.
- Monitoring of gopher and other vertebrate mounds in playgrounds, athletic fields, and other landscaped areas. These results are communicated to the IPM Coordinator.
- Monitoring buildings for wasp and hornet activity by the site custodians. Any activity is reported to the IPM Coordinator.

Pests and Non-Chemical Management Practices

Keyes Union School District has identified the following pests and routinely uses the following non-chemical practices to prevent pests from reaching the action level:

| Pest | Remove food | Fix leaks | Seal cracks | Install barriers | Physical removal | Traps | Manage irrigation | Other |
|-------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------|
| Ants | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Wasps and Hornets | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Other Insects | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Weeds | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| Gophers | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |
| Rats and Mice | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Squirrels | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |

Chemical Pest Management Practices

If non-chemical methods are ineffective, Keyes Union School District will consider pesticides only after careful monitoring indicates that they are needed according to pre-established action levels and will use pesticides that pose the least possible hazard and are effective in a manner that minimizes risks to people, property and the environment.

Keyes Union School District expects the following pesticides (pesticide products and active ingredients to be applied during the year. (This list includes pesticides that will be applied by Keyes Union School District staff or licensed pest control businesses.):

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| Pesticide Name | US EPA ID Number | Active Ingredient |
|---|-------------------------|---|
| Clorox Clean-Up | 5813-21-67619 | Sodium hypochlorite |
| Suprox D | 1839-224-1658 | Octyl decyl dimethyl ammonium chloride, Dioctyl dimethyl ammonium chloride, Didecyl dimethyl ammonium chloride, Alkyl (50% C14, 40% C12, 10% C16) dimethyl benzyl ammonium chloride |
| Re-Juv-Nal | 1839-169-1658 | Octyl decyl dimethyl ammonium chloride, Dioctyl dimethyl ammonium chloride, Didecyl dimethyl ammonium chloride, Alkyl (50% C14, 40% C12, 10% C16) dimethyl benzyl ammonium chloride |
| Ranger Pro | 524-517 | Glyphosate |
| Roundup ProMax | 524-579 | Glyphosate |
| Germicidal Cleaner | 706-65 | n-alkyl dimethyl benzyl ammonium chloride |
| Bandini 26-3-5 Weed & Feed | 2217-884-73327 | 2,4-D, 2-ethylhexyl ester, Mecoprop-p acid, Dicamba acid |
| Professional Lysol Disinfectant Spray | 777-99-675 | n-Alkyl (C14 50%, C12 40%, C16 10%) dimethyl benzyl ammonium chloride |
| Champion Sprayon Multi-Purpose Insect & Lice Killer | 498-174 | Piperonyl Butoxide |
| Spectracide Wasp & Hornet Killer | 9688-190-8845 | Lambda-cyhalothrin, Prallethrin |
| Hot Shot Ant & Roach | 9688-187-8845 | Lambda-cyhalothrin, Prallethrin |
| Fumitoxin | 72959-1 | Aluminum Phosphide |
| Omega Gopher Grain Bait | 5042-32 | Diphacinone |
| ZP Rodent Bait | 12455-18 | Zinc phosphide |
| Tempo Ultra WP | 3125-390 | β -Cyfluthrin, cyano(4-fluoro-3-phenoxyphenyl)methyl 3-(2,2-dichloroethyl)-2,2-dimethylcyclo-propanecarboxylate |
| Suspend SC | 432-763 | Deltamethrin |
| DuPont Arilon | 352-776 | Indoxacarb |
| No Foam B | 1050775-500008 | Octyl phenoxy polyethoxy ethanol isopropanol, linear alkyl sulfonate, buffering acids, coconut amine condensate, silicone defoamer |
| PT 565 Plus | 499-310 | Pyrethrins, Pyperonil Butoxide, n-Octyl bicycloheptene dicarboximide |
| BP 100 | 11540-9 | Pyrethrins |
| Drione | 4816-353 | Pyrethrins |
| Termidor | 7969-210 | Fipronil |
| Cy-Kick | 499-304 | Cyfluthrin |
| Tengard SFR | 70506-6 | Permethrin |
| Phantom | 241-392 | Chlorfenapyr |
| Precore 1% | 2724-352 | (S)-Methoprene, Permethrin, Phenothrin, N-octyl bicycloheptene dicarboximide, Piperonyl butoxide, Technical |
| Gentrol | 2724-351 | S-Hydropene |
| Micro Care 3% CS | 499-516 | Pyrethrins, Piperonyl Butoxide |
| Dominion | 53883-229 | Imedacloprid |
| Chlorophacinone .005% | 10965-50004 | Chlorophacinone |
| Contract AW Blox | 12455-79 | Bromadiolone 3-[3-(4'-Bromo-[1,1'-biphenyl(4-yl)-3-hydroxyyl-1 phenylpropyl]-4-hydroxy-2H-1-benzopyran-2-one |
| Diphacinone 0.01% | 10965-50003 | Diphacinone |
| Fumitoxin Tablets | 72959-1-5857 | Fumitoxin |
| Gopher Getter Type 2 AG Bait | 36029-23 | Diphacinone |
| Martins Gopher Bait 50R | 53883-24 | Strychnine 0.5% |
| Omega Gopher Grain Bait | 5042-32 | Strychnine Alkylid |
| Talpid Mole Bait | 12455-101 | Bromethalin |
| ZP Rodent Oat Bait AG | 12455-102 | Zinc Phosphide |
| Best Turj Supreme 16-6-8 Plus Trimec | 2217-643-7001 | 2,4-Dichlorophenoxyacetic acid, propionic acid, Dicamba 3,6-dichloro-O-anisic acid |
| Best Dimension 270G | 7001-375 | Dithiopyr |
| Bayer Advanced Tree & Shrub Protect and Feed | 72155-82 | Imidacloprid, Clothiandin |
| Surflan AS | 70506-44 | Oryzalin: 3,5-dinitro-N4N4-dipropylsulfanilamide |
| Prosedge | 228-702 | Halosulfuron-methyl |

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Healthy Schools Act

Keyes Union School District complies with the notification, posting, recordkeeping, and all other requirements of the Healthy Schools Act. (Education Code Sections 17608-17613, 48980.3; Food & Agricultural Code Sections 13180-13188)

Training

Every year, Keyes Union School District employees who make pesticide applications receive the following training prior to pesticide use: Pesticide specific safety training (Title 3 California Code of Regulations 6724) and School IPM training course approved by the Department of Pesticide Regulation (Education Code Section 16714; Food & Agricultural Code Section 13186.5) and located at: <http://apps.cdpr.ca.gov/schoolipm/training/main.cfm> .

Submittal of Pesticide Use Reports

Reports of all pesticides applied by Keyes Union School District staff during the calendar year, except pesticides exempt¹ from HSA recordkeeping, are submitted to the Department of Pesticide Regulation at least annually, by January 30 of the following year, using the form provided at www.cdpr.ca.gov/schoolipm . (Education Code Section 16711)

Notification

Keyes Union School District has made this IPM plan publicly available by the following methods:

- This IPM plan can be found online at the following web address: www.keyes.k12.ca.us

Review

This IPM plan will be reviewed (and revised, if needed) at least annually to ensure that the information provided is still true and correct.

Date of next review: July 2019

I acknowledge that I have reviewed Keyes Union School District IPM Plan and it is true and correct.

Erik Morris

IPM Coordinator

July 20, 2018

Date

¹These pesticides are exempt from all Healthy Schools Act requirements, except the training requirement: 1) products used in self-contained baits or traps, 2) gels or pastes used as crack and crevice treatments, 3) antimicrobials, and 4) pesticides exempt from U.S. EPA registration. (Education Code Section 17610.5)