

Hopewell Valley Regional School District

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2018-2019 HVRSD Integrated Pest Management Plan for All Athletic Sports fields at Central High School, Timberlane Middle School, and AFT. No Pesticides, Herbicides, or Fertilizers will be used at any of the District's Elementary Schools.

A copy of this plan **must** be kept with your building IPM records. It provides necessary information to help with planning and scheduling events at your building and to minimize issues that may result from a lack of adequate knowledge and/or proper communication.

The goal of an Integrated Pest Management (IPM) plan is to be site specific and to use a “common sense approach“, that provides the least toxic solution whenever and wherever possible, to help control weeds and pests on fields and grounds. This is a site specific plan and not all fields and grounds will receive the same treatment. The principals at each site need to be familiar with the plan for their location. The principal will be notified before any applications are done at their site. All applications are recorded and filed in the on-site IPM logbook and the Facilities Office IPM logbook.

The IPM Program requires initial soil testing and regular, monthly monitoring and inspection of the Sports turf for weeds, insects, etc., before any decision for treatment is made. Soil testing is performed in late fall and is field specific. Soil test results are reviewed by the District IPM Contractor and HVRSD staff each winter and this review determines the appropriate soil augment(s) for each field.

District Grounds personnel use IPM “Best Practices” whenever possible. All sports turf fields are inspected on a monthly basis, which determines if treatment is needed, what type of treatment is needed, which areas will be treated and the amount of product needed to achieve the desired result.

All the materials used in this plan are Eco-Friendly. Listed below are the materials that may be used throughout the year on district sports turf fields and grounds as determined by monitoring and inspection.

Please note that applications of lime or gypsum may be applied to some fields as soil testing deems necessary. Gypsum is a soil augment that increases soil porosity. Lime and gypsum are NOT considered a pesticide, fertilizer or pest control product. However, all notification protocols will be observed, as a courtesy, to prevent any misinformation. Soil testing has determined that no lime or gypsum applications are anticipated for 2017 - 2018.

Regular mulching of ornamental plant beds and tree rings discourages weed growth. Maintaining grass at taller heights during the off season also helps with weed management. A pre-emergent herbicide may be used in the mulch to slow down weed growth. Weed control will be performed on an ‘as needed’ basis ONLY, per

monthly inspection and monitoring results. An herbicide may be used on the sports turf fields and will be applied as a spot treatment as determined by monitoring and inspection to control the growth of weeds and to encourage healthy turf establishment.

Areas of particular concern for weed management are: fence lines, ornamental beds, curb lines, sidewalk joints, blacktop cracks and building perimeters. Weed management is performed in the following order:

- Mechanical means – hand pulling all weeds
- Application of weed management products as determined by monitoring and inspection
- Application of Round-Up Weed Killer – this is a last resort method only to be used when all other means have failed per monitoring and inspection

Field aeration and over-seeding will take place throughout the year as determined by the monthly inspection and monitoring of each sports turf field.

HVRSD inspects for grubs and other pests on a monthly basis. Spot treatment for grubs is performed **only** when field tolerances are exceeded. Treatment tolerances for white grubs are:

- 0 - 2 grubs found in 1 square foot sample = no action
- 2 – 3 grubs found in 1 square foot sample = increased inspections & cause for concern
- 4 – 5 grubs found in 1 square foot sample = time to initiate spot treatment as needed

Eco-friendly spot treatments for white grubs of ICT Cedar Cure® and Essential® are applied **only** with very specific, controlled applications under close scrutiny. Treatment is coordinated with weather conditions, in accordance with the manufacturer's instructions, under the observation of an HVRSD IPM Supervisor. At no time will any grub treatment be applied to any body of water, including standing or moving water. All required notifications, postings and flagging protocols will be followed.

- **Pesticides WILL NOT be applied on any District grounds when fields are occupied, per New Jersey statute**
- **There will be NO applications of any fertilizer or pesticides of any kind applied to elementary sports fields in the 2018-2019 school year. All applications will be done, only as needed, on the following fields CHS # 2,3,4 AFT # 1,2,3,4,5,6,7 TMS # 1,2,4,5**

Startup fertilizer, Screamin' Green®, may be used in the spring based upon site specific soil tests.

The same fertilizer may be applied in the fall, if needed, as determined by monitoring and inspection. All Safety Data Sheets (SDS) are on file in the on-site IPM and Facilities Office logbooks for all products that are listed for use in this plan. These SDS should be kept on file even if a particular product is not used at your location. This plan and the related SDS information can be accessed on the HVRSD district website under the Facilities Office page.

Field inspections and monitoring continue, monthly, throughout the calendar year.

Weed and insect control will be addressed on an 'As Needed' basis only, upon the recommendation of the District's Outside Contractor, Fisher Landscaping. Applications will be based on inspections and monitoring by Fisher Landscaping and HVRSD personnel per their 2017 IPM Plan. All applications **must** be approved by HVRSD Certified IPM Coordinators.

A part of the 2017 IPM Plan includes a review with Fisher Landscaping of all IPM notes for 2016.

All application and inspection records are kept at each school in the on-site IPM logbook. Copies are also maintained by the Facilities Office in the IPM logbook.

District Certified IPM Coordinators:

- John Lewless Head Groundskeeper Outside IPM
- Thomas Quinn Director of Facilities District IPM Coordinator

HVRSD Licensed Applicators holding a current Turf 3B Core and Category 13 School IPM Endorsement Certificates:

- John Lewless Pesticide License #25256B Expiration: 10/31/2018
- Shannon Dech Pesticide License #26181B Expiration: 10/31/2018

HVRSD Outside Contractor Licensed Applicator holding a current Turf 3B Core and Category 13 School IPM Endorsement Certificate:

- Thomas Fisher Landscaping Pesticide License #93951A Expiration: 10/31/2017

All licensed applicators must have a Category 13 School IPM endorsement on their pesticide license. This endorsement has been required since August 1, 2009.

All questions and concerns will be promptly addressed and should be directed to the HVRSD Outside IPM Supervisors:

- John Lewless Head Groundskeeper Email: johnlewless@hvrds.org

The following products were used on various fields during the past 12 months. Please see SDS sheets for additional information on each product.

- DIMENSION Herbicide EPA Reg. # 62719-542
- HORSEPOWER Selective Herbicide EPA Reg. # 228-313
- SCREAMIN GREEN Fertilizer
- Quali-Pro Bifenthrin Insecticide EPA Reg. # 66222-190
- SNAPSHOT Herbicide EPA Reg. # 62719-175