

**LANDSCAPE ISSUES - MATRIX OF HIERARCHICAL STEPS TO MANAGING PESTS**

This matrix is to be used in conjunction with the Eugene School District 4J Landscape Management Guidelines

This is a matrix that identifies a pest problem or issue and defines approved practices for proper control. The goal is the safest, least toxic, and cost-effective methods of control.

The director of 4J Facilities Management or his/her designee must approve any additional strategies before they are used.

**Site personnel must always consult Facilities Management prior to taking action against pests on District property.**

**GOPHERS AND MOLES**

The District has long experienced problems with uneven athletic turf caused by the burrowing of moles and gophers. This has resulted in a number of injuries to users of these fields, and a general deterioration of the quality of the turf surfaces. In addition, gravel running tracks at a number of sites have this problem. Dogs, which are allowed by their owners to run loose on district fields increase the hazards by digging into the burrows. A number of non-pesticide control methods have been explored. Among them have been trapping, carbon monoxide, sonic, and biological control. The district invested \$1200 into a monitored, intensive trapping program at Santa Clara, with little or no results. Periodically, the 'best' trapping device is advertised, and the district has tried a number of these, without results. Introduction of carbon monoxide from small engines has been tried on a number of occasions, with limited success. Sonic devices have been employed. While there is efficacy over a small area, it is not feasible to deploy enough of them to cover a field, let alone all the fields which are infested. The use of barn owls was explored. This strategy might have some limited use. Any program using owls would need to be coordinated out at each individual school that has gopher problems. None of the effected schools has agreed to take this on.

<b>LEVEL 1: Action approved for school supervised volunteer or district staff</b>					
<u>ACTION</u>	<u>Threshold</u>	DONE BY:		IPM RESPONSE	
		<u>VOLUNTEER</u>	<u>STAFF</u>	<u>CODE</u>	<u>COMMENTS</u>
SITE INSPECTION	Complaint	X	X	T	Area not actively used
REDUCE DEEP ROOTED WEEDS/PLANTS THROUGH CULTIVATION PRACTICES (Gophers only)	Complaint/work order/site inspection One fresh mound in playing field	X	X	P/E	Effective for gophers only: Top Dress, Irrigating, Fertilize, Re-seeding
<b>LEVEL 2: Action approved for licensed applicator, (district staff or contractor)</b>					
<u>ACTION</u>	<u>Threshold</u>	<u>VOLUNTEER</u>	<u>STAFF</u>	<u>CODE</u>	<u>COMMENTS</u>
Y	Complaint/work order/site inspection		X	P	Use in any weather Trap location needs identification
THE GIANT DESTROYER ® US EPA REGISTERED PESTICIDE SULFUR GAS	Complaint/work order/site inspection		X	p	Follow notification guidelines Use in wet season - Early in morning before students arrive
<b>LEVEL 3: District and Site approved action for licensed applicator (district staff or contractor) required</b>					
<u>ACTION</u>	<u>Threshold</u>	<u>VOLUNTEER</u>	<u>STAFF</u>	<u>CODE</u>	<u>COMMENTS</u>
NO CURRENTLY APPROVED TREATMENT					

IPM (Integrated Pest Management) RESPONSE CODE REFERENCE

P - Prevention

E - Exclusion

S - Structural Modification

T - Tolerance

X = Person who may respond to action items listed