

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.

ATHLETIC FIELD WEEDS - NON IRRIGATED

Although top dressing, over seeding, fertilization, and aeration are the dominant variables in maintaining quality turf, there are instances in which fieldS are so infested with broadleaf plants that they are no longer usable for athletic events. The uneven playing surfaces caused by the mix of grass and broadleaf weeds, such as plantains, create significant variations in footing. Sometimes the fields are just difficult on which to play; sometimes they are unsafe for play. Besides the uneven playing surfaces the presence of a large number of weeds also improves the habitat for gophers, which prefer this vegetation for food, resulting in a very uneven surface for running with large mounds and deep holes. These render the field unplayable, and have resulted in a number of injuries to people who try to play on them. Facilities has embarked on a more aggressive gopher and mole control program. Eliminating their preferred food source (the roots of broadleaf vegetation) improves the effectiveness of this program. (See: Gophers & Moles matrix)

Athletic fields which are not irrigated have the same issues as irrigated fields, plus the added issue that the lack of irrigation makes it more difficult for the grass to compete with the weeds. The control actions are slightly different than for irrigated fields.

LEVEL 1: Action approved for school supervised volunteer or district staff					
<u>ACTION</u>	<u>Threshold</u>	<u>DONE BY:</u>		<u>IPM RESPONSE</u>	
		<u>VOLUNTEER</u>	<u>STAFF</u>	<u>CODE</u>	<u>COMMENTS</u>
SITE INSPECTION	Presence/Complaint	X	X	T	Small number of localized weeds
HAND WEEDING/CULTIVATING/DIGGING	Complaint	X	X	P	Baseball diamonds
INCREASE MOWING	Complaint/work order/ site inspection	X	X	P	Reduces seeds
OVER SEEDING	Complaint/work order/ site inspection	X	X	P/S	Helps grass compete with weeds
TOP DRESSING, OVER SEEDING, FERTILIZATION, AERATION	Complaint/work order/ site inspection	X	X	P/S	Could be routine maintenance if labor is available
LEVEL 2: Action approved for licensed applicator, (district staff or contractor)					
<u>ACTION</u>	<u>Threshold</u>	<u>VOLUNTEER</u>	<u>STAFF</u>	<u>CODE</u>	<u>COMMENTS</u>
NON-REGISTERED HERBICIDE CORN GLUTEN	Complaint/work order/ site inspection		X	P	Untested -- Product inhibits seed germination
NON-REGISTERED HERBICIDE GREENERGY ® Citric acid & vinegar or equivalent	Complaint/work order/ site inspection		X	P/S	Follow notification guidelines Could be used in field renovation process
LEVEL 3: District and Site approved action for licensed applicator (district staff or contractor) required					
<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