City of Eau Claire Park Recreation & Forestry

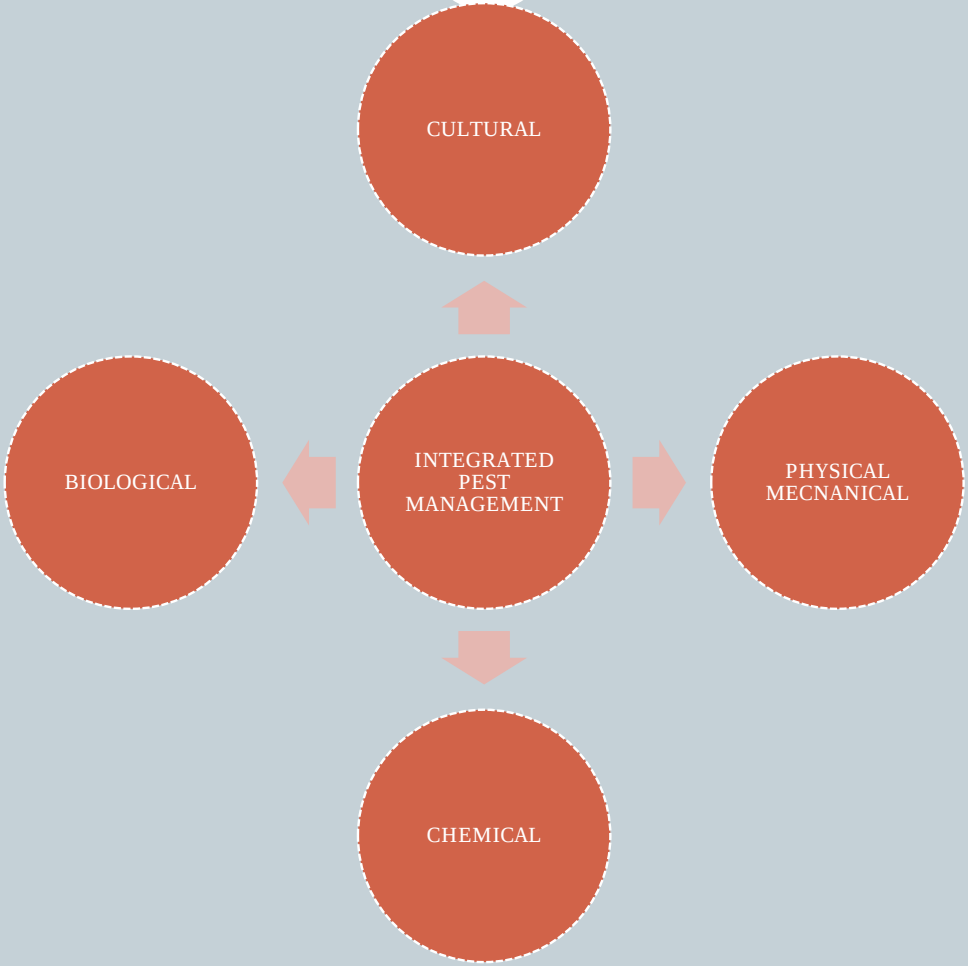
HERBICIDE / INSECTICIDE PROGRAMS

The Park Recreation & Forestry Dept currently makes every effort to reduce the number of sites where we rely on herbicides, insecticides and fertilizers. While we have made strides to eliminate or reduce the use of fertilizers and chemicals, the number of events, usage, and user expectations dictate our approach today.

Integrated Pest Management Principles

- Combines all effective, economical and environmentally sound pest control methods into a single, flexible approach to managing pests.
- Programs aim to keep pest populations below economically damaging levels.
- Use current, comprehensive information on the life cycle of pests and their interaction with the environment. This information, along with available pest control methods are used to manage damage by the most economical means, and the least possible hazard to people, property and the environment.

IPM Continium



How IPM Works

- Not a single pest control method
- A series of evaluations, decisions and controls

  (a single pest does not always mean control needed)
- Identify and monitor pests

  (not all insects, weeds and other organisms require control)
- Prevention
- Control (effective least risk method chosen first. Highly targeted controls, pheromones, mechanical, targeted spraying , broadcast spreading.

- The city of EC Park Recreation & Forestry Dept strives to prevent unnecessary pesticide exposure and attempts to reduce the need to rely on the use of pesticides. Use pesticides only when thresholds have been reached and loss is expected.
- Most environmentally sensitive option will be evaluated first whenever possible.
- All manufacture and label directions will be followed.
- Trained staff apply product.
- Areas will be posted for re entry.
- Efforts are made to schedule treatments to avoid user conflict.

Non Chemical Pest Prevention

- Whenever practical EC PRF will use non chemical means to control or limit pests.
- Sanitation, specie selection, and maintenance options are reviewed first and foremost
- Mechanical controls
- Burning when appropriate
- Biological Controls (parasites, predators, pheromones)

No Treatment Areas

- Neighborhood parks and playgrounds
- School district sites
- SE Community Park (dog park)

Treated Areas

- Phoenix Park
- Carson Park
- Soccer Park
- Mt Simon Park
- Wilson Park
- Fairfax Park
- Cemeteries (broad leaf control for dandelions Spring only)

(Level 1 areas only, ie. high use and irrigation.)

NR 151
Turf Grass Nutrient Management Plan

- Environmentally Responsible Turfgrass Fertilization
- Eliminates unnecessary spending
- Achieves optimum turf conditions
- Site Specific
- DNR required for sites with 5 or more acres of fertilized turfgrass effective March 10 2008

Total Parks Acreage = 1035

Cemetery Acreage = 90

441 acres enrolled in NR 151

67.4 acres have NMP

NR151 Plan

Each management area is studied to determine characteristics such as size, age, grass species and traffic levels.

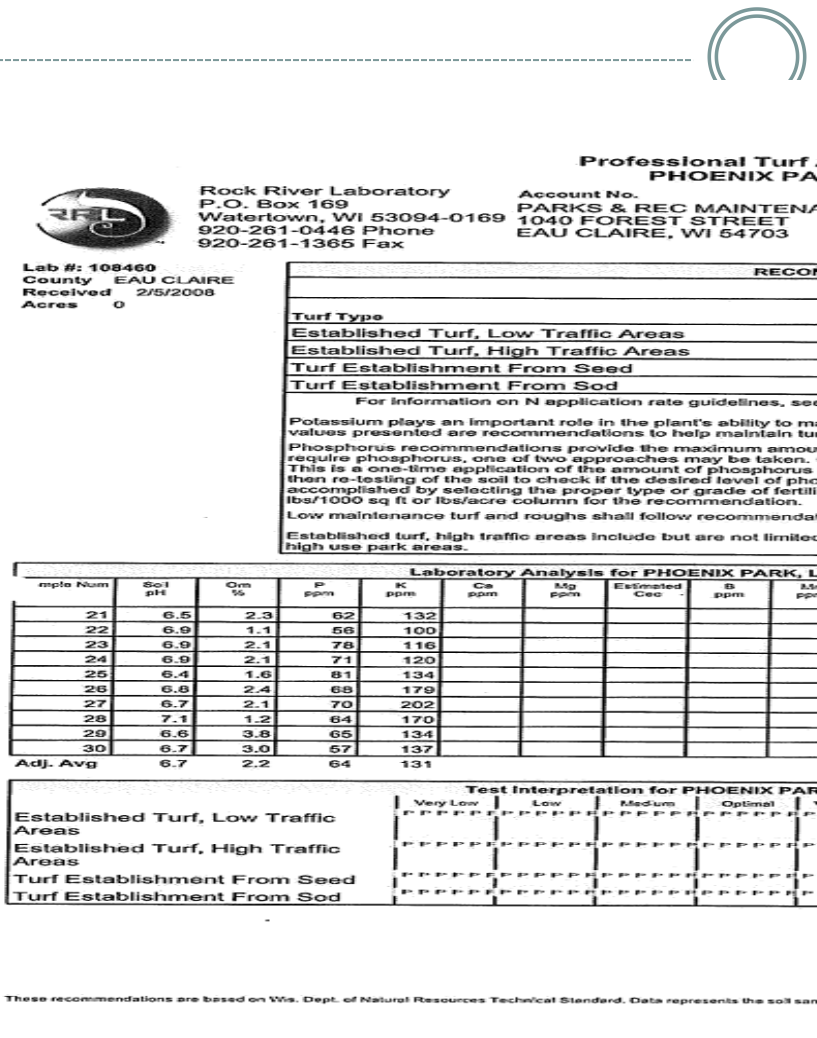
Based on this information a specific dosage of fertilizer is determined. Assists in determining if and when phosphorus applications are responsible.

Fertilizers used are coated for slow release.

NR 151 Report

- NMP checklist
- Staff qualifications
- Site profile and narrative
- Soil maps
- Topographic maps
- Soil test results
- Application schedule
- Fertilizer spill response plan
- Nutrient application records and calibrations.

Add blank forms….



Professional Turf Analysis
PHOENIX PARK

Rock River Laboratory
P.O. Box 169
Watertown, WI 53094-0169
920-261-0446 Phone
920-261-1365 Fax

Account No.
PARKS & REC MAINTENANCE #410
1040 FOREST STREET
EAU CLAIRE, WI 54703

Report for:
PARKS & REC - PO#50080266-00
MAINTENANCE - 1040 FOREST ST
EAU CLAIRE, WI 54703

Lab #: 108460
County EAU CLAIRE
Received 2/5/2008
Acres 0

RECOMMENDATIONS

Turf Type	P2O5 lb/1000 sq. ft.	P2O5 lb/acre	K2O lb/1000 sq. ft.	K2O lb/acre
Established Turf, Low Traffic Areas	0	0	0	0
Established Turf, High Traffic Areas	0	---	0	---
Turf Establishment From Seed	0	0		
Turf Establishment From Sod	0	0		

For information on N application rate guidelines, see Wisconsin DNR's *Interim Turf Nutrient Management*

Potassium plays an important role in the plant's ability to manage stress but is not a known environmental contaminant. The K values presented are recommendations to help maintain turf density.

Phosphorus recommendations provide the maximum amount of fertilizer that can be applied between soil tests. When soils require phosphorus, one of two approaches may be taken. Option one is to make what is known as a corrective application. This is a one-time application of the amount of phosphorus recommended. The second option is that of gradual buildup, and then re-testing of the soil to check if the desired level of phosphorus was achieved. Gradual buildup of phosphorus is accomplished by selecting the proper type or grade of fertilizer to apply at different times during the year. Use either the lbs/1000 sq ft or lbs/acre column for the recommendation.

Low maintenance turf and roughs shall follow recommendations for established turf, low traffic areas.

Established turf, high traffic areas include but are not limited to athletic fields, intensively used paths in low traffic areas, and high use park areas.

Laboratory Analysis for PHOENIX PARK, Lab No 108460

mple Num	Soil pH	Om %	P ppm	K ppm	Ca ppm	Mg ppm	Estimated Cec	B ppm	Mn ppm	Zn ppm	S ppm	Sol. Salt mmhos/cm	NO3 ppm	Fe ppm	Cu ppm
21	6.5	2.3	62	132											
22	6.9	1.1	56	100											
23	6.9	2.1	78	116											
24	6.9	2.1	71	120											
25	6.4	1.6	81	134											
26	6.8	2.4	68	179											
27	6.7	2.1	70	202											
28	7.1	1.2	64	170											
29	6.6	3.8	65	134											
30	6.7	3.0	57	137											
Adj. Avg	6.7	2.2	64	131											

Test Interpretation for PHOENIX PARK, Lab No 108460

	Very Low	Low	Medium	Optimal	Very High		Very Low	Low	Medium	Optimal	Very High
Established Turf, Low Traffic Areas	P P P P P P	P P P P P P	P P P P P P	P P P P P P	P P P P P P		K K K K K K	K K K K K K	K K K K K K	K K K K K K	K K K K K K
Established Turf, High Traffic Areas	P P P P P P	P P P P P P	P P P P P P	P P P P P P	P P P P P P		K K K K K K	K K K K K K	K K K K K K	K K K K K K	K K K K K K
Turf Establishment From Seed	P P P P P P	P P P P P P	P P P P P P	P P P P P P	P P P P P P						
Turf Establishment From Sod	P P P P P P	P P P P P P	P P P P P P	P P P P P P	P P P P P P						

These recommendations are based on Wis. Dept. of Natural Resources Technical Standard. Data represents the soil samples, not necessarily the entire property.

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Eau Claire — PARKS, RECREATION, & FORESTRY

FERTILIZER/CHEMICAL APPLICATION

To be Completed Each Time a Fertilizer or Chemical is Applied

Must be Accurate and Kept on File

Site: _____

Date: _____
Time: _____

Application Area(s):

_____

Fertilizer/Chemical Applied: _____

Target Pest: _____

Application:

Boom Sprayer		
Calibration	Gallons Applied	Miles/Hour

Backpack Sprayer	
Calibration	Gallons Applied

Hand Spreader	
Setting	Pounds

Spreader		
Setting	Pounds	Miles/Hour

Weather Conditions:

Cloud Cover _____ Temperature _____ Wind Direction _____

Date of Application	Site/Area of Application	Herbicide/Pesticide						Applicator (&/or those supervised)	
		Brand or Trade Name	Active Ingredient	EPA Registration Number	For Mixtures: Amount Concentrate	For Mixtures: Amount Diluent	Amount of Pre-mixed Product or Mixture/ Batch Applied	Full Name	1) Applicator # 2) Operator # or 3) Other

U:\shared\NR151\Fertilizer Chemical Application.xls Sheet1 10/19/2010

Signature: _____

HERBICIDE / PESTICIDE APPLIED

Stay off grass until dry

Chemical: _____

Date Applied: _____ **Time:** _____

for more information contact:
City of Eau Claire - Parks
715-839-5039

- Ph sensetavity on certain products.
- Asian beetles