

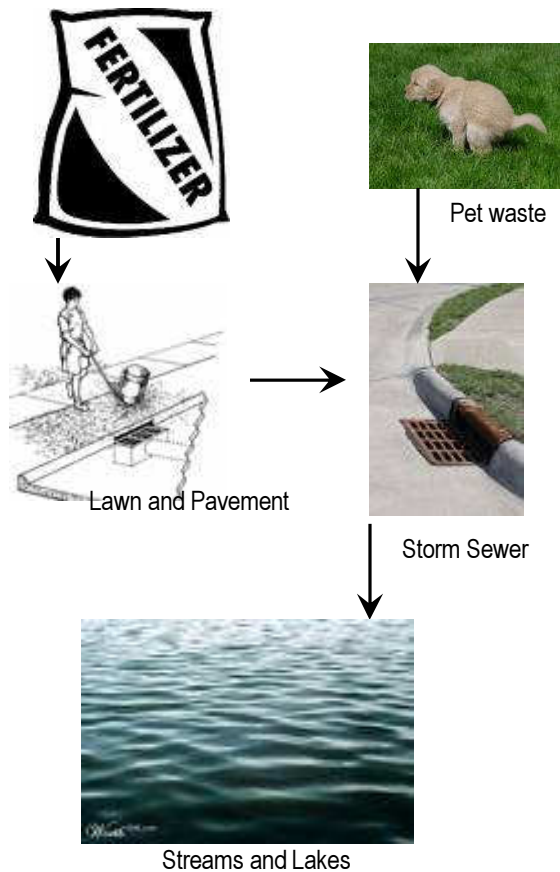
Sources of Phosphorus in an Urban Landscape

Pervious

- Lawns
- Gardens
- Flower bed
- Fire pits

Impervious

- Sidewalks
- Roofs
- Driveways
- Streets



Picture credits:

University of Wisconsin Extension

Dakota County, MN

www.worth1000.com

www.lowes.com

Ladpw.org/epd/hhw/resources/illustration.cfm



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PHOSPHORUS IN LAKE COUNTY, IL



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Excessive phosphorus can lead to algal blooms in lakes.



Grass clippings add phosphorus to lakes and wetlands.

Are you fertilizing more than your grass?

- **Phosphorus turns lakes and rivers green by stimulating algal growth.** This interferes with plant growth and reduces oxygen available to fish.
- **A common cause of excess phosphorus is runoff.** Most soils in the county have adequate phosphorus. A simple soil test will indicate whether you need to add phosphorus.
- **Nitrogen, not phosphorus, makes grass greener.** Phosphorus-free fertilizer still contains nitrogen.
- **The storm drain on your street is a link to the rivers and lakes in the county.**

Lawn care practices impact water quality even if you don't live near a water body

Get Involved

- Become involved in the watershed planning process.
- Encourage/support efforts to reduce or eliminate fertilizers containing phosphorus.
- Encourage local businesses to carry phosphorus-free fertilizers.

What you can do in your own back yard:

- Keep leaves, seeds, and lawn clippings out of gutters, streets, and ditches.
- Pick up pet waste promptly.
- Control soil erosion around homes.
- Leave a buffer of native plants around your lawn to reduce runoff and phosphorus.
- Avoid phosphorus fertilizer (middle number should equal 0), apply as a liquid, not solid, and keep it off swales, sidewalks and street.



Find out what your soil needs:

Test it

You should test your soil before applying fertilizers. Testing your soil will save you money and prevent excess phosphorus from being applied. Soils in most of Lake County have an adequate amount of phosphorus to grow a healthy lawn. Contact your local Soil and Water Conservation District (www.lakeswcd.org/Soil%20Testing.htm).



Time the application when the forecast is rain-free. Sweep up any spillage immediately and avoid fertilizing near storm drains or waterways.

Watersheds and Urban Runoff

A watershed is the area of land that drains into a lake or stream. A body of water is affected by practices within the entire watershed. Although phosphorus is applied to lawns that are not on a lake or stream, the phosphorus is carried into the water body via runoff throughout the watershed.

Did you know?

1 lb of phosphorus can produce 300-500 lbs of algae

What is being done

- In 2005, Minnesota banned phosphorus fertilizer state-wide except for soils that test low for it.
- 2005 Dane County, WI ordinance bans sale or use of phosphorus fertilizers throughout the county.
- Antioch banned phosphorus fertilizer in 2007.
- Third Lake banned phosphorus fertilizer in 2008.
- Loch Lomond and Countryside Lake Associations passed programs disallowing use of fertilizer containing phosphorus.