

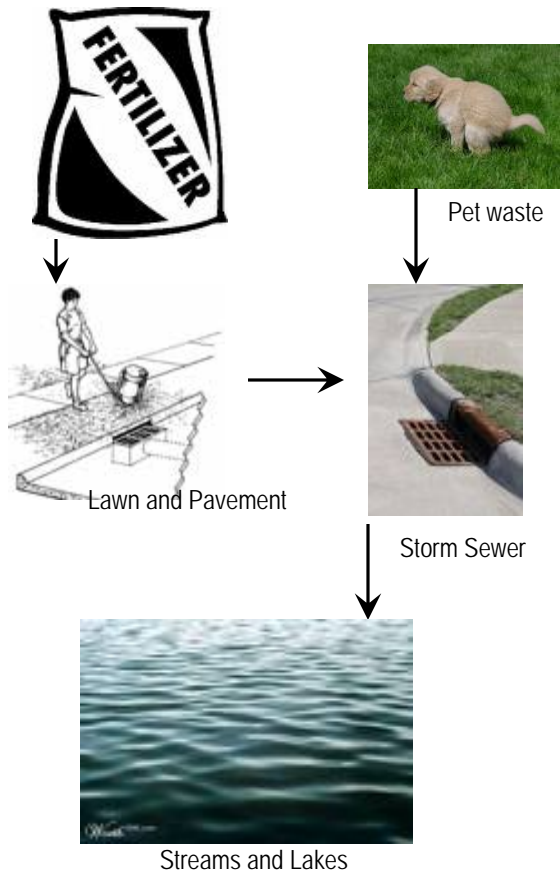
Sources of Phosphorus in an Urban Landscape

Pervious

- Lawns
- Gardens
- Flower bed
- Fire pits


Impervious

- Sidewalks
- Roofs
- Driveways
- Streets



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 Dakota County, MN
www.worth1000.com
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Ladpw.org/epd/hhw/resources/illustration.cfm

PHOSPHORUS IN LAKE COUNTY, IL



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Excessive phosphorus can lead to algal blooms in lakes.



For more information contact:
 The Lakes Management Unit
 500 W. Winchester Rd.
 Libertyville, IL 60048
 (847) 377 8030

<http://www.lakecountyil.gov/Health/want/BeachLake.htm>



Grass clippings add phosphorus to lakes.

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 confirm if 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 between lake and home to reduce runoff and phosphorus.
- Use phosphorus-free fertilizer (middle number should equal 0).



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 waterbody via runoff throughout the watershed.

Did you know?

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

What is being done

- In 2010, Illinois restricted the use of lawn fertilizer containing phosphorus for commercial applicators, except for tested soils that indicated a phosphorus deficiency. Illinois also joined 13 other states in significantly reducing the amount of phosphorus in dishwasher detergents.
- In Lake County, IL, 9 Municipalities and several lake associations passed ordinances which do not allow residents to use lawn fertilizer containing phosphorus.