

# AERATION

## WHAT IS AERATION?

Aeration is a process involving perforating cores of soil to increase the flow of vital nutrients, water, and oxygen to plant roots. The main purpose of aeration is to relieve soil compaction, allowing for grassroots to grow deeper and stronger.

## SOIL COMPACTION

Soil compaction is when soil particles are dense and air, water, and nutrients are unable to circulate. Soil compaction can be caused by heavy or frequent foot traffic, construction, equipment, or machinery use on the lawn. In compact soil, grass will become malformed and discolored, while increasing the risk of weed infestation, excess thatch (layer of dead and living plant material that has not yet decomposed), lawn diseases, standing water, puddles, and poor drainage. Aeration is the process to help prevent, improve, and relieve soil compaction.

## SIGNS THAT AERATION MAY BE NEEDED:

- Soil feels hard to the touch
- Grass is thinning and discolored
- Standing water on the lawn
- Construction work or newly built home
- Heavy foot traffic (kids, pets, etc.)

## BENEFITS OF AERATION

- Improve growth and health of grass and roots
- Control weeds
- Increase curb appeal with denser, greener grass
- Reduce disease susceptibility
- Increase water drainage and reduce runoff and erosion
- Increase tolerance to droughts or extreme heat



## AERATION METHODS

Early Fall or early Spring is the best time for aeration when the grass is in its peak growing season and can recover quickly.

Instead of removing the core plugs of thatch, they should be left behind on top of the soil to provide nutrients once they decompose.

After aeration, is the best time to overseed and fertilize your lawn. The core openings from the aeration allow the seeds and nutrients to have direct contact with the soil.

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information about our services!**

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