



CORE AERATION INFORMATION

Core Aeration is the removal of small cores of soil from the lawn that helps reduce compaction and improves the ability of the grass roots to expand into the soil, thus creating a healthier more durable lawn that is more resistant to disease and drought.

The Benefits of Core Aeration:

- Helps the lawns health and vigor.
- Reduces maintenance requirements.
- Improves air exchange between the soil and atmosphere.
- Enhanced soil water uptake.
- Improved fertilizer uptake and use.
- Reduced water runoff and puddling.
- Improved turfgrass rooting.
- Reduced soil compaction.
- Enhanced heat, drought and disease tolerance.
- Improved resiliency and cushioning.
- Enhanced thatch breakdown.



Why Core Aeration is Necessary:

In most home lawns, the natural soil has been disturbed by the building process. Fertile topsoil may have been buried or mixed during excavation of the basement, leaving subsoil that is more compact and void of certain necessary nutrients that are necessary for healthy lawn growth. These lawns need Core Aeration to improve the depth and extent of turfgrass rooting and to improve fertilizer and water use.

Walking, playing, mowing, raindrops and watering stress the lawn by increasing soil density by compacting soil particles and reducing large spaces where roots may readily grow. Compaction is greater in clay soils and it is greatest in the upper 1 ½" of the soil.

What you can expect from Core Aeration:

Immediately after Core Aeration your lawn will be dotted with small plugs pulled from the soil. Within a week or two, these plugs of thatch and soil break apart and start disappearing into the lawn. After 7-10 days, the aerification holes will be filled with white, actively growing roots. These roots are a sign that the turfgrass is responding to the additional oxygen, moisture and nutrients in the soil. On compacted soils and on lawns with slopes, you should see an immediate difference in water runoff after a rainfall or watering. After several aerifications, your lawn should be able to withstand longer periods between watering, without showing signs of wilt.

With repeat aerations over time, your lawn's root system will become more dense and deeper in the soil, which will result in greater heat, drought and disease tolerance.

Don't expect a miracle from just one aeration. Most lawns benefit from annual aeration. Core Aeration on new lawns should be done 2 times (spring and fall) per year for the first few years and then at least 1 time per year thereafter. Lawns that receive this care should be healthier, more vigorous and easier to maintain than lawns that are neglected.

For more Lawn Care Information visit our website at: www.LukesSod.com