



# CJS Lawn & Landscaping

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## **CORE AERATION – YOUR TICKET TO A HEALTHY LAWN**

**Aeration:** The process of mechanically removing small plugs of thatch and soil from the lawn to improve the flow of air, water and nutrients.

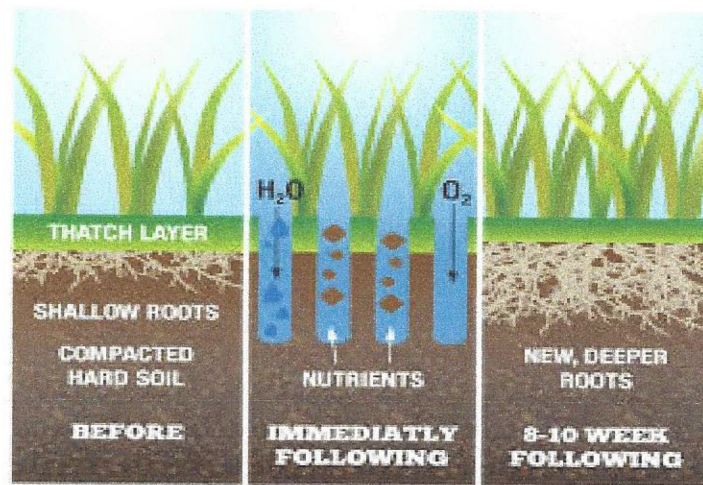
### **Soil Compaction – Let's Get Rid of It!**

Most lawns, particularly heavily used ones, have compacted soil which restricts the movement of air and water to the root zone. Walking, playing and mowing are forms of traffic that compact soil and stress lawns. Raindrops and sprinklers increase soil density by compacting soil particles and reducing air spaces where roots may readily grow. Core Aeration helps heavily used lawns, and lawns growing on compacted soils, by improving the depth and extent of turf grass rooting which allows better water uptake and speeds up thatch breakdown.



### Thatch Build Up – You Don't Want It!

Most lawns are subject to thatch build up. Thatch accumulates faster on heavy clay soils and a layer of more than ½" keeps air, light and water from getting to the root zone.



Core Aeration breaks through dense thatch and opens up the soil to permit free movement of water, fertilizer and air. Even the cores left on the top of the lawn after aeration have their own thatch reducing mission. It takes between 14 and 21 days for the cores to break down and dissolve back into the soil. Bacteria in the cores reduce the thatch layer naturally by allowing the micro-bacterial organisms to speed decomposition of remaining thatch.



### **Benefits to Core Aeration**

- ✓ Saves up to 50% on Water!!
- ✓ Enhances water, fertilizer and oxygen uptake
- ✓ Reduces water runoff and puddling
- ✓ Improves turf grass rooting
- ✓ Reduces soil compaction
- ✓ Enhances heat and drought stress tolerance
- ✓ Improves resiliency and cushioning
- ✓ Enhances thatch breakdown