

A FOUNDATION FOR GROWTH



## MICRONUTRIENT PROGRAM



earth stone and water





## WHY WE TREAT THE SOIL ALONG WITH THE GRASS

Large fertilizer companies all pound the grass with macro nutrients (nitrogen, phosphorus, and potassium), which does make the grass green, until you miss an application or stop applying. Once addicted, the grass can't survive without these applied nutrients. It goes into shock, leaving it with a weaker immune system and potential death; it has no sustainability.



## HOW WE REVIVE YOUR SOIL

### PROMOTE ROOT GROWTH

By conditioning the soil with micro nutrients, bacteria within the soil begins their journey to breakdown, compost, turning sterile soil into organic matter ready for the grass to consume. This greatly increases the grasses immune system for times of need when fungi attack in hot humid days/nights or when the blazing sun threatens to dry up the plant.

A healthy rooted immune system also helps the plant to fight off crabgrass and other pesty weeds. Having a strong grass plant, it can stomp out it's competition. I'm sure you have heard the phrase "the best weed prevention is a thick and strong lawn". That's what we want to try to create. A successful healthy lawn, able to grow and almost take care of itself!

#### ▶ **MACRO NUTRIENTS**

Nitrogen, phosphorus, potassium are the most traditional.

#### ▶ **MICRO NUTRIENTS**

iron, manganese, zinc, copper, molybdenum, chlorine, and additional.

#### ▶ **TARGETED ADDITIVES**

Herbicide, insecticides, fungicides.







## HOW WE REVIVE YOUR SOIL

### So what can we do?

We are going to be implementing additional applications that directly benefit not only the grass plant but the soil and everything in it. This isn't an instantaneous process, it will take several applications but once the soil starts to rejuvenate, WOW, the grass pops!!!



We need to feed the soil so the grass plant has the nutrients available and can also up take up nutrients to the best of its ability. We are going to revive the soil and bring it back from its sterile, impotent, lifeless state that it currently is and return it to the enriched, composted organic state that it once was. A biological community of interacting organisms.



# WHAT A TREATMENT LOOKS LIKE

## DIAGNOSING TURF HEALTH

We perform these tests on a monthly basis or per application to help ensure a healthy lawn and limit unexpected damages, that may be happening. We use them to track your lawns progress and formulate our treatments.



**Color Test** - Making sure the lawn has the proper color. Improper color could mean different problems such as fungus, improper water, heat stress, ect.



**Pattern** - What is the pattern of the infected area? Is it localized? All around the house? Sunnier spots? Is it in several houses of the neighborhood?



**Soil Saturation** - Probe soil plug approximately 8 inches to see root depth, thickness of thatch layer, and water/soil content.



**Thatch Debris Test** - On top of the soil, manually thatch a 2ft x 2ft area of lawn to measure thatch accumulation. A buildup will inhibit nutrients and air flow.



**Tug Test** - Tugging the grass to test tensile strength to make sure insects aren't eating the roots or crowns of the plant.



**Monitoring PH Levels** - Grass likes to be around 6.5-6.8 PH for optimum health. Monitoring allows us to add additional micro nutrients when needed.



FOR ORNAMENTAL TREES AND SHRUBS  
WE HAVE DEEP ROOT INJECTION EQUIPMENT

DELIVERING NUTRIENTS AND MEDICINE  
WHERE ITS NEEDED MOST





# BEST PRACTICES

## TIPS ON YOUR LAWN CARE

### Best Mowing Practices



**Don't mow when it's wet.** It's hard for the mower to pick up cut grass leaving clumpy thatch which will suffocate the grass.



**Don't mow too short.** Only cut 1/3 of plant, keeping length at 2.5- 3 inches. This will help keep the roots from baking in the sun and keep the immune system.



**Don't mow too often.** Let it grow! In the hot summer months you may not need to mow the lawn every week. It's ok to skip a cut!



**Get mower blades sharpened!** A sharp blade makes a cleaner cut that ensures the plant can heal properly. A dull blade can leave grass in an injured and in a disease susceptible state.

### Water Training Roots

Depth of roots plays such an important role of the overall health of the lawn. We need to train the roots to grow down and deep. A depth of 8 inches would be great, however based on how much clay New England has 4-5 is an achievement.

#### HOW TO GROW DEEPER ROOTS FROM A SEED - A PLAN OVER TIME

- Start with watering 5 times a day @ 1 minute each. Just keep it moist.
- Every 2 weeks, reduce 1 watering start time and add a couple of minutes to each duration
- Keep doing this until reaching 1 morning start time is achieved with approx 15 min
- After a couple of weeks you will water every other day for approx 20-30 min
- If desired, once every three days is next and add on a little more time

This watering pattern will train the roots to grow deeper to find the water. It also keeps the soil moist. If you have clay soil, roots can actually penetrate wet clay vs dry clay.





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