



675 Central Drive Skyway Industrial Park Presque Isle Maine 04769 207-762-5771

## GENOMIC SOIL HEALTH REPORT

ATC Labs has been doing **Soil Health Evaluations** for our customers the past 20 years. We have developed some great data and is used to develop better rotations and crop selections for local growers. But it has been challenging to come up with numerical, actionable levels of specific microbes associated with nutrient utilization and other practical agronomic applications.

**Genomic Soil Testing Technology** has radically changed this part of soil testing. So, with this new technology and the best of the past, growers will for the first time have a **Soil Health Report** that will have a financial impact with numerical data that is used in an algorithm in an extensive data base.

**Genomic Soil Testing** uses the genetic material of the bacteria and fungi in your soil to determine if the microbes present to tell us if there is enough diversity, organisms present to use nutrient properly and the overall carbon present in your soil.

### **What does the Genomic Soil Health Report tell us?**

- The diversity of organisms in your soil; what rotation to use
- The ability of the soil organisms to utilize Phosphorus; can we cut back
- The ability of the soil organisms to utilize nitrogen; do we need to add some
- The need to use nitrogen stabilization product; loss of nitrogen costs money
- The organisms that allow for low oxygen levels; low oxygen level cause disease

### **What is the Financial Impact of the Genomic Soil Health Report?**

Knowing that using a longer rotation with different crops can produce 10-15% in yield over time and 10-20% decrease in soil diseases.

Spreading nitrogen just because your soil is wet may not be necessary if the organisms responsible of nitrogen loss are not in your soil. this can be a savings of \$50-100 per ace

Applying nitrogen when you know it is needed can make a difference of 10-30 cwt per acre

If you are interested in seeing a Genomic Soil Health Report and learn more about how to use Genomic Health Report in your operation contact me

[Noel@curriecompany.com](mailto:Noel@curriecompany.com)

207 768 0681