



SOIL and WATER CONSULTING

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Consultant

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Re: Fall visit and Sample Collection

Summary of lab data:

- *On the fairways you had recently applied 18-5-0 with iron at a rate of 3/4 of a pound of Nitrogen rate. That definitely shows on the soil's tests. You have no sodium issues. Dial in the acid injection and focus on Manganese and Iron through the Fall and Winter.*
- *On the greens I would recommend a one time 2 pounds of product per 1,000 square feet rate of 0-0-50 at the time you do the Dry-ject. Also, Manganese levels are just slightly low and working to increase them can only help.*

Dear Zac,

Of all the data collected, the most striking was the water sample. I asked the lab to check it again after I reviewed it. They had already done so due to the pH being 2.8. You had recently started the acid injection process, and there is always a period of getting the proper amount dialed in. I can help with that process by doing a **Water Titration** test using the acid product and your water. This data will give you a better starting point to determine how much product should be used. Watering at a 2.8 pH would be excellent for your fairway soil but is not sustainable due to cost and wear on the irrigation system.

This is the first year over year data we have and what I see so far is a native soil that is fertile with almost no nutrient deficiencies. However, it is a little unbalanced due to the excessive Magnesium. The use of acid injection will, over time, eat away at the magnesium and in turn bring soil flocculation, good turf color and add the balance the soil is lacking in the fairways. Each visit I have seen the Kikuyu looking excellent. As we discussed during the tour of the course, it is probably more important to have fungicides ready than fertilizers.

The greens were in great shape and the Dry-ject scheduled to be completed on the 8th will allow for quick recovery and some drainage as you get into Winter. One piece of the puzzle we don't yet have on the greens is any physical analysis. If you have any old data, I would be happy to look at it or we can do a core sample on a green or two later this Fall.

If you have any further questions on the data and when you have time to chat, please contact me. Thank you.

Sincerely,
Corey Angelo
Soil and Water Consulting

