



SOIL and WATER CONSULTING

Corey M. Angelo
Consultant

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Re: Summer Sample Collection

Summary of lab data:

- For all upcoming over-seeded areas apply 500 pounds of product per acre rate of Gypsum.(anytime before seeding) Apply 125 pounds of product per acre rate of 11-55-00 on fairways only at seeding. Apply 100 pounds of product per acre rate of 0-0-50 a week or two after the first mowing of ryegrass.
- The Greens are very low in Manganese but wait until October to make monthly applications of 2 pounds of product per 1,000 square feet rate of either Manganese Sulfate or Manganese Oxide. Focus on "Empac7", "Blast" or pHacid" type product sprays. Both recommendations will help with the Fairy Ring on the greens.

Dear Scott,

Thank you again for allowing me to come later in the season due to the shutdown-It was 20 days later than last year and 18 days later than 2018. Even though we are still in a good window to compare year over year data, there will be some subtle differences because I sampled when you were in a different stage of Summer work. I hadn't been in Las Vegas in July since I lived there last in 2009. So, it was nice to see the courses past transition and in full bermudagrass growing. Fairway aerification and 21-0-0 applications were starting.

As usual, the course was in good shape. There does seem to be a few coverage issue with the irrigation system throughout the property but the course is always on the dry side as well. I see no reason to change any of your routine programs at this point, but there are some issues that relate to the course "aging" and settling in from construction that will start showing up.

A handful of greens had fairy ring-some areas on those greens I considered severe. It is not a good time to apply Manganese due to the heat and its burn potential, but I would suggest making it a central part of the green's fertility program in October through at least April 2021. It is a good color masking nutrient but more importantly, provides a natural defense against certain patch diseases and fairy ring. When the test results are closer to 60-70 ppm, you can reduce the applications. If you stay diligent you may be able to reach those numbers sometime in 2021.

The tee and fairway fertility recommendations are made to address the P and K deficiencies. The Gypsum application is to help offset the higher bicarbonate levels in the soil leading into over-seeding. If you use the Empac7 throughout the over-seed process, that will also help reduce bicarbonates and make the soil more receptive to all the water you will apply.

When you are settled in from your vacation let's go over any other details and talk about your plans for the next 2-3 months.

Sincerely,
Corey Angelo
Soil and Water Consulting

