



SOIL and WATER CONSULTING

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Consultant

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Re: Spring Sample Collection

Summary of lab data:

- *The greens are low in manganese. Monthly applications of Manganese Oxide or Manganese Sulfate at a rate of 3 pounds of product per 1,000 square feet can increase levels within the year.*
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Dear Jay,

This was a full visit between regular fairway and green samples and the core samples we did on two of the greens. The fairway samples on each course were a little more consistent than the first Spring visit in 2021 because of the aerification you have done on them since then, as well as we selected a couple of fairways in 2021 with issues which were mostly drainage related. There are no nutrient deficiencies on the fairways but because of the soil type it does hold on to sodium at high levels. However, there are enough available good salts to compensate. Where you have high traffic wear or hard to grow areas in pinch points around the course, after you aerify I would recommend spraying Blast or pHacid as a spot treatment of acidification. The acid injection works well but where it can't penetrate it can't help!

The greens are only low in Manganese. Although bermudagrass can tolerate certain diseases that are helped with higher available manganese levels, the recommended applications can only enhance the health of the turf. The core samples show the significant layer that Persimmon Course has developed. It is a more long-term concern, but if you can focus on getting some of the organic material out of the top 3-4" the greens would be more like Ironwood Course to manage. Ironwood Course has a layer much more contained in the top 2" and is salvageable through verti-cutting and topdressing. Using Ninja tines on the Ironwood Course would be a way to aerify more often and cause less disruption. It is only one set of core samples, and I won't make any major recommendations from them, but we can talk over some of my thoughts as you have the time.

When you can, let's catch up and go over the data in detail.

Sincerely,
Corey Angelo
Soil and Water Consulting

