



SOIL and WATER CONSULTING

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Consultant

Green bermudagrass
contamination

October 6, 2019

Re: Fall visit and Sample Collection



Summary of lab data:

- *On the tees and fairway all the 21-0-0 you applied (3X) during Summer showed to help access minerals in the soil and the Nitrogen levels were fine. If you apply a simple starter (15-15-15) or similar at overseeding, that should be enough until Winter.*
- *On greens use a one-time application of 11-55-00 at 3 pounds of product per 1,000 square feet rate this Fall to address the slight Phosphorus deficiency. Also, one application of 0-0-22 at 4 pounds of product per 1,000 square feet rate around Thanksgiving.*

Dear Kent,

The recent fairway applications of 21-0-0 were right on. The fairways into the rough looked great! I think it is the best I have seen the bermudagrass look there. It wasn't necessarily a great year for monsoon and the needed humidity to grow good bermudagrass. We did play the front nine the day of my visit and the playing conditions on the longer cut grass were excellent.

The picture I took (above) of the bermudagrass contamination in the greens is just to time stamp what we discussed. The Club will be making some important decisions about what to do with the greens. There are many options and we do have a lot of data through the last four years that can help make those decisions with science in the equation. The bermudagrass does well on this mix and thrives a good portion of the year. The poa annua and bentgrass conditions ebb and flow from June to September. The grass type you select should be the first choice made and that will help make the other decisions easier. Meaning that the greens-mix soil can work for warm season grasses but will not work long term for the cool season grasses. With that said, there still will not be 12 months of the year perfect conditions-it just doesn't happen in the desert. The continued drill and fill is not a waste of time or resources either. It sounds like it is unlikely the course will close to construct brand new greens. So, the drill and fill continues to make the current greens-mix better which will help the mostly bent/poa greens last longer into the Summer.

As you get closer to the actual sit-down discussions, I am available to help to explain the laboratory data as you think it is helpful to the overall project. 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

