

August 11, 2022

Woodmoor Country Club
18945 Pebble Beach Way
Monument, CO 80132

Kollin,

Thanks for submitting the most recent organic matter samples. The following is an updated report with trendline data as we now have four testing periods. A trendline continues to develop.

Both treated and control showed reductions in organic matter%. A statistically insignificant increase was observed in the 4-6 cm treated sample.

If I recall correctly, you are currently designating one entire tee as “control” and the adjacent tee as “treated”. It may be worth considering setting up a simple “knock out” trial. For example, delineate a 6 x6 area on each tee. Treat the delineated 6 x6 area on the control tee with the product you are testing and leave the rest as control. On the treated tee, do not treat the delineated 6x6 area but treat the rest of the tee. You will then sample the treated vs control on each tee if you so choose to do this.

I understand changing the current testing protocol is not ideal. However, doing so may help to guide questions regarding different microclimates and physical tee construction that may influence the organic matter production or reduction.

If you have any questions, please don't hesitate to contact me.

Best Regards,



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Executive Summary

Organic Matter

- This report represents the fourth set of samples submitted.
- The following is a detailed breakdown by depth comparing sampling data from 06/10/2022 and 8/10/2022:

Control 0-2 cm **decreased** 4.36%. This represents -260.9 g/kg of soil per year.
Treated 0-2cm **decreased** 1.24%. This represents -74.2 g/kg of soil per year.

Control 2-4 cm **decreased** 1.54%. This represents -92.1 g/kg of soil per year.
Treated 2-4cm **decreased** 0.73%. This represents -43.7 g/kg of soil per year.

Control 4-6 cm **decreased** 0.13%. This represents 7.8 g/kg of soil per year.
Treated 4-6 cm **increased** 0.33%. This represents 19.7 g/kg of soil per year.

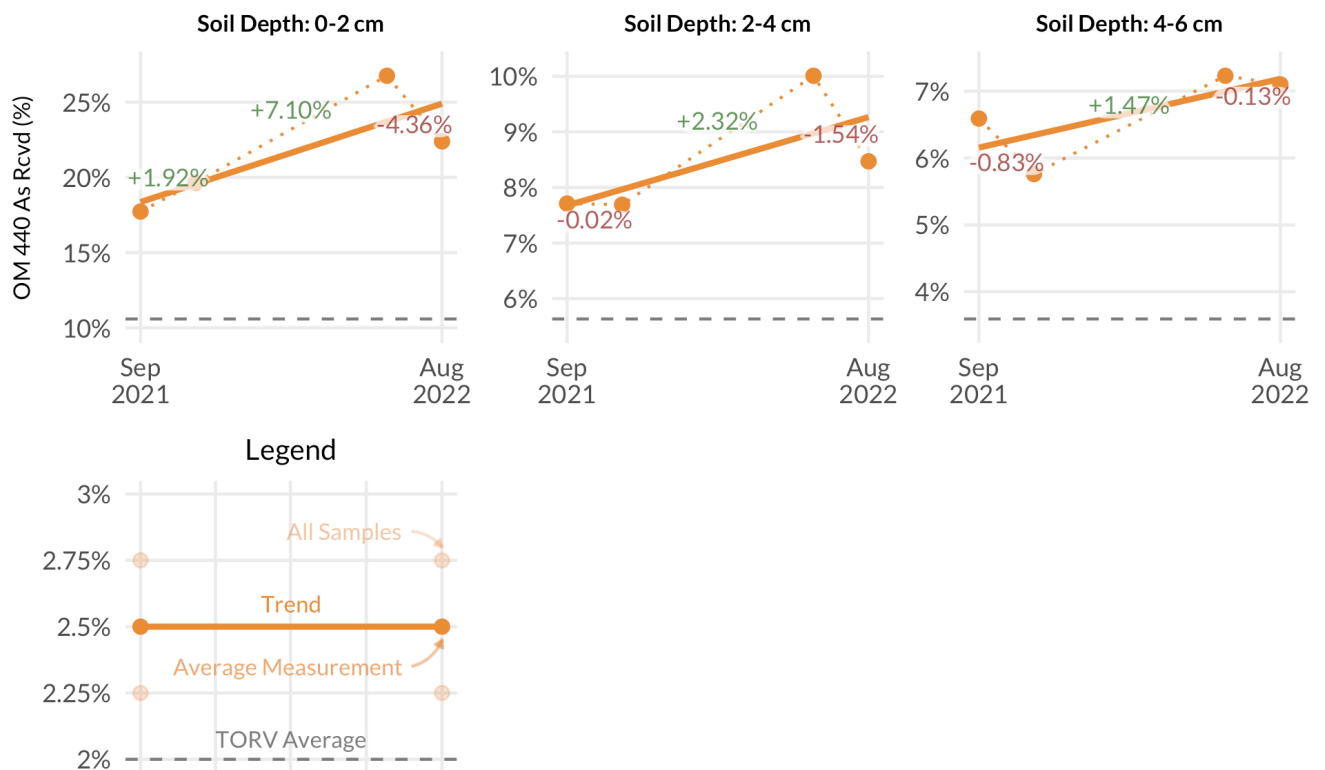
- A statistically insignificant increase was observed in the 4-6 cm treated sample.



Organic Matter | CONTROL

These measurements are neither good nor bad. Information such as fertilizer applied, cultural practices, sand applied, verti-cutting, aerification, etc. can be used to see how these practices have changed the OM% by depth. Ideally, once a desired OM% has been identified based on playability and turf performance, fertility and cultural practices can be adjusted to maintain the desired OM%.

The S325 test package includes the entire sample submitted. This includes leaves, stems, and roots. This differs from the standard soil test which filters out most of the components. This is the reason why the percentages appear higher than that on a standard soil test.

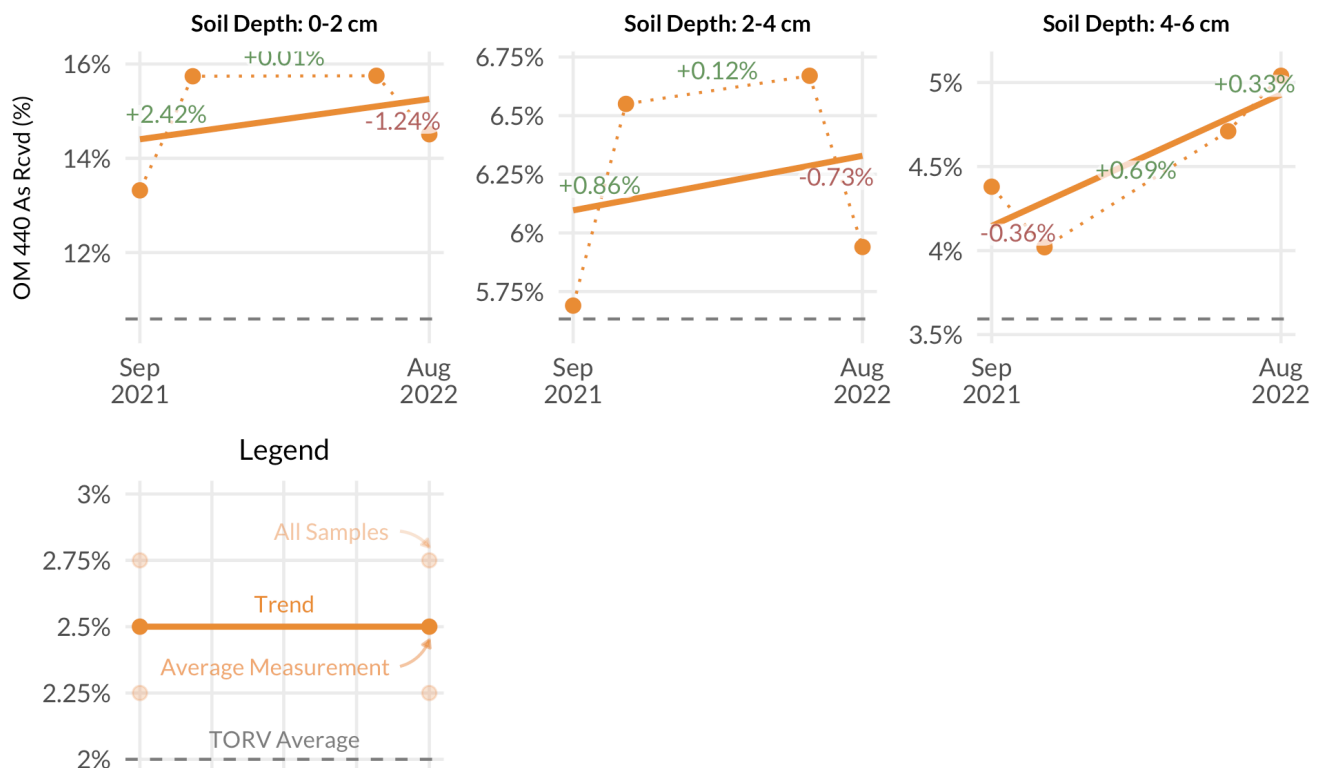




Organic Matter | TREATED

These measurements are neither good nor bad. Information such as fertilizer applied, cultural practices, sand applied, verti-cutting, aerification, etc. can be used to see how these practices have changed the OM% by depth. Ideally, once a desired OM% has been identified based on playability and turf performance, fertility and cultural practices can be adjusted to maintain the desired OM%.

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BROOKSIDE LABORATORIES, INC.

** PHYSICAL ANALYSIS REPORT **

Woodmoor Country Club
18945 Pebble Beach Way
Monument, CO 80132

File Number: 86638
Date Received: 08/08/2022
Date Reported: 08/10/2022

Submitted By: TORV, LLC

SAMPLE LOCATION: CONTROL OM

NBR	FIELD	DESCRIPTION	OM 440
			As Rcvd (%)
011	10T	0-2	22.39
012	10T	2-4	8.47
013	10T	4-6	7.10

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Woodmoor Country Club
18945 Pebble Beach Way
Monument, CO 80132

File Number: 86638
Date Received: 08/08/2022
Date Reported: 08/10/2022

Submitted By: TORV, LLC

SAMPLE LOCATION: TREATED OM

NBR	FIELD	DESCRIPTION	OM 440
			As Rcvd (%)
014	10T	0-2	14.51
015	10T	2-4	5.94
016	10T	4-6	5.04
