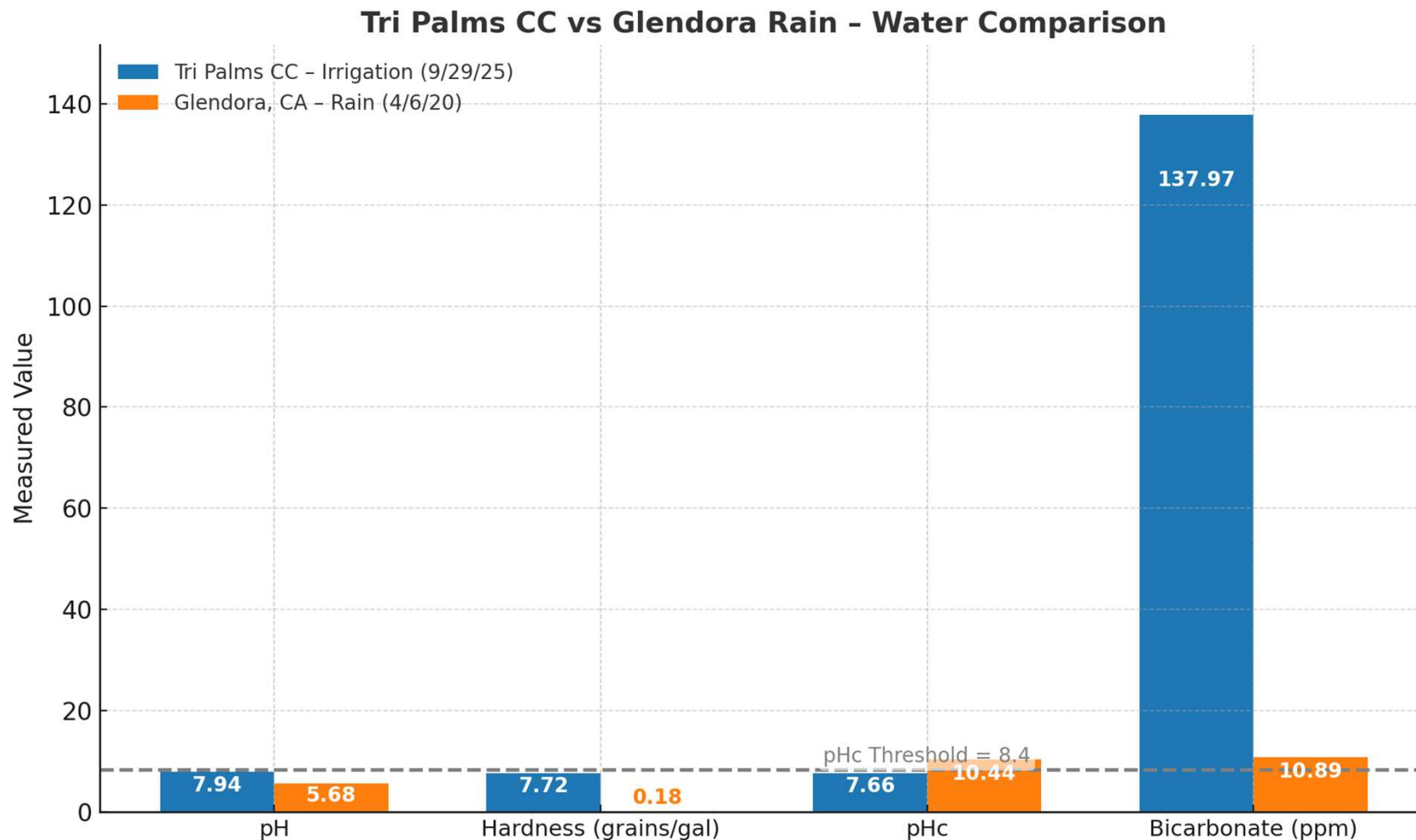




IRRIGATION WATER

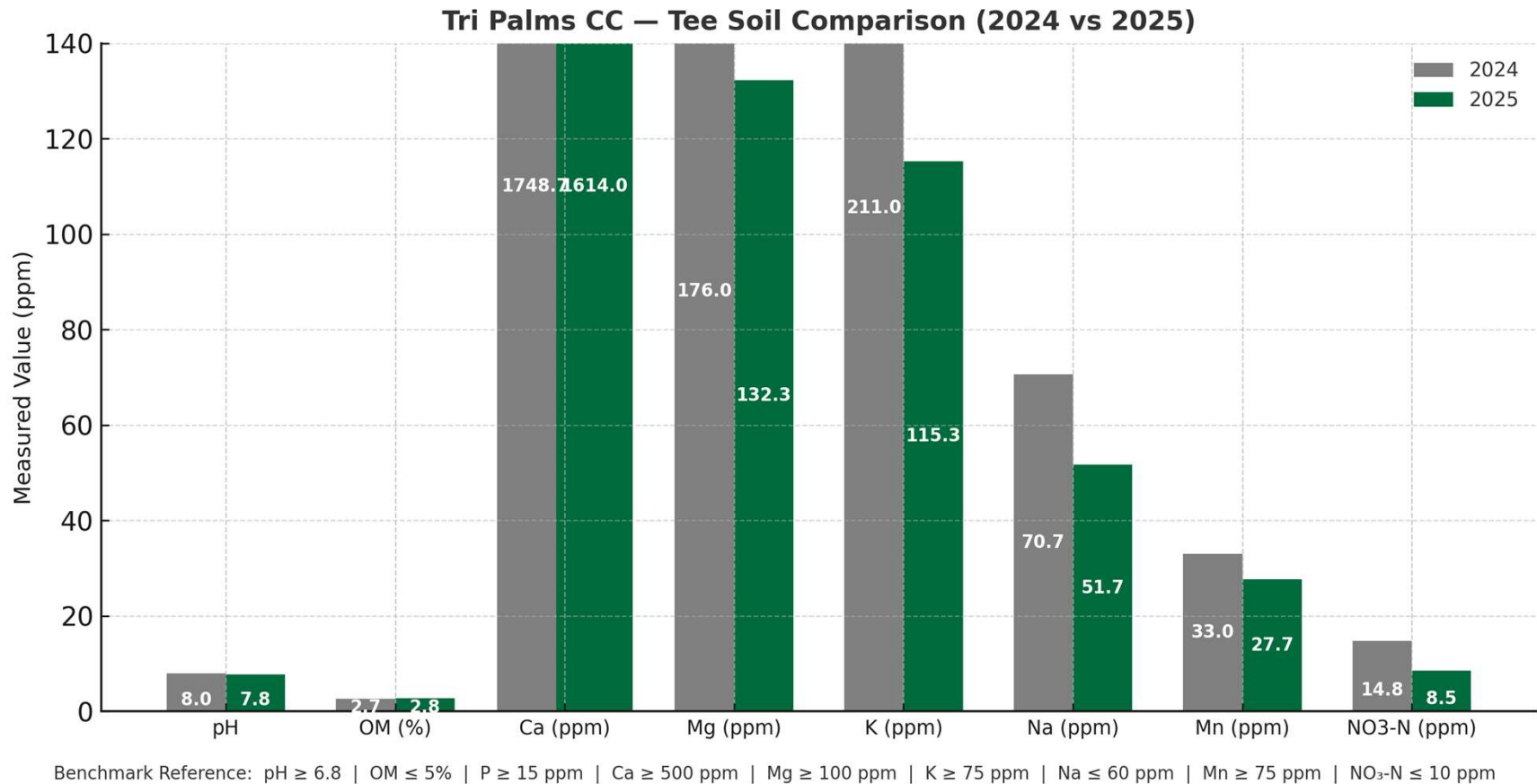


- The irrigation water at Tri Palms Country Club is mildly alkaline, which is typical for the Coachella Valley. Because the pHc (7.66) is slightly below the measured pH (7.94), there's only minor potential for scale buildup—enough to leave light mineral deposits over time. With bicarbonates around 138 ppm, the water has moderate alkalinity that can bind calcium and magnesium, increasing long-term soil sealing and sodium risks unless periodic acidification or calcium flushing is part of the maintenance routine.





TEES



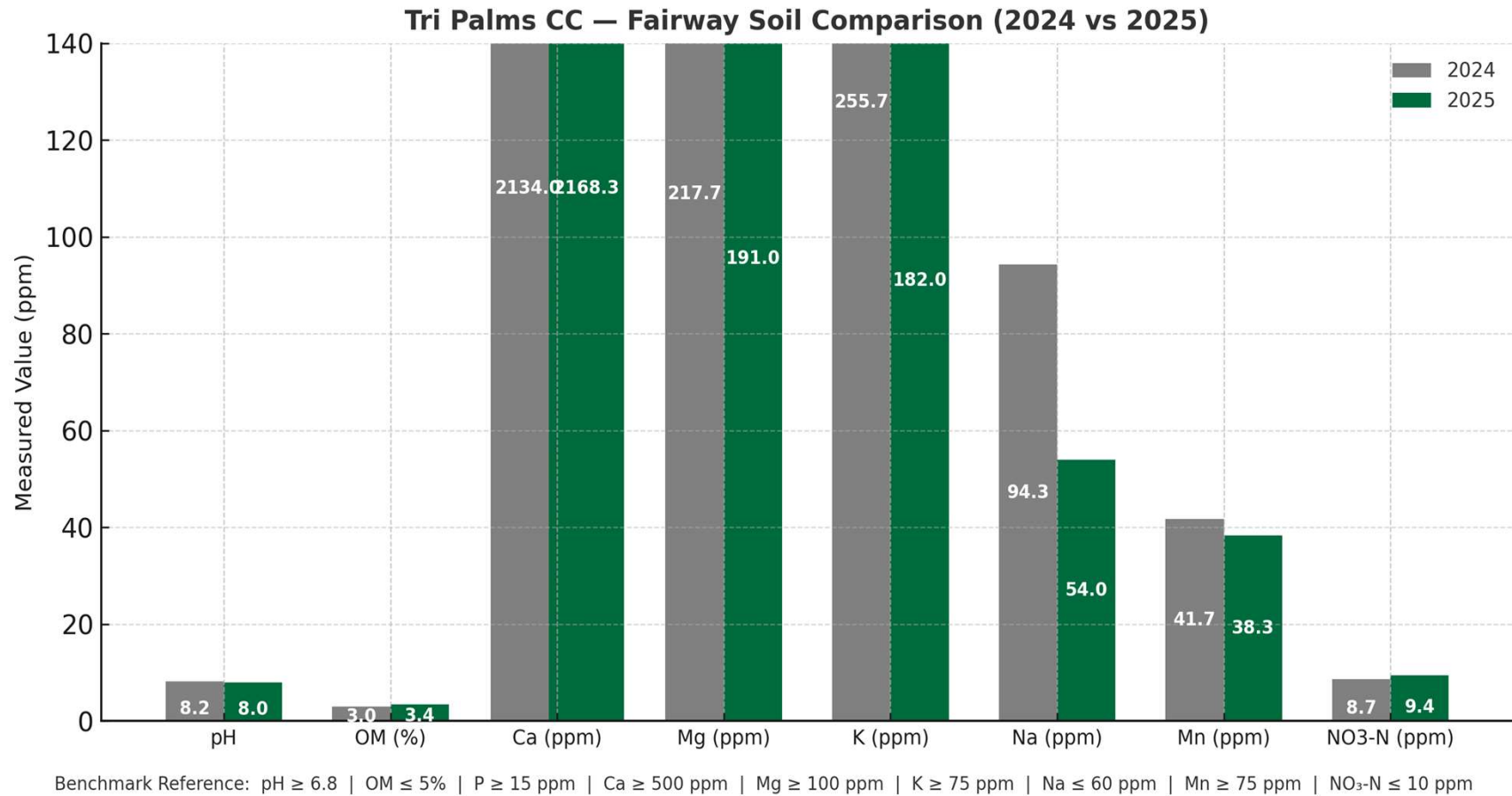
- Sodium should be half of potassium levels. So even though sodium levels are above the range I'd like to see you have a good balance between Na and K.



Tri Palm Country Club



FAIRWAYS

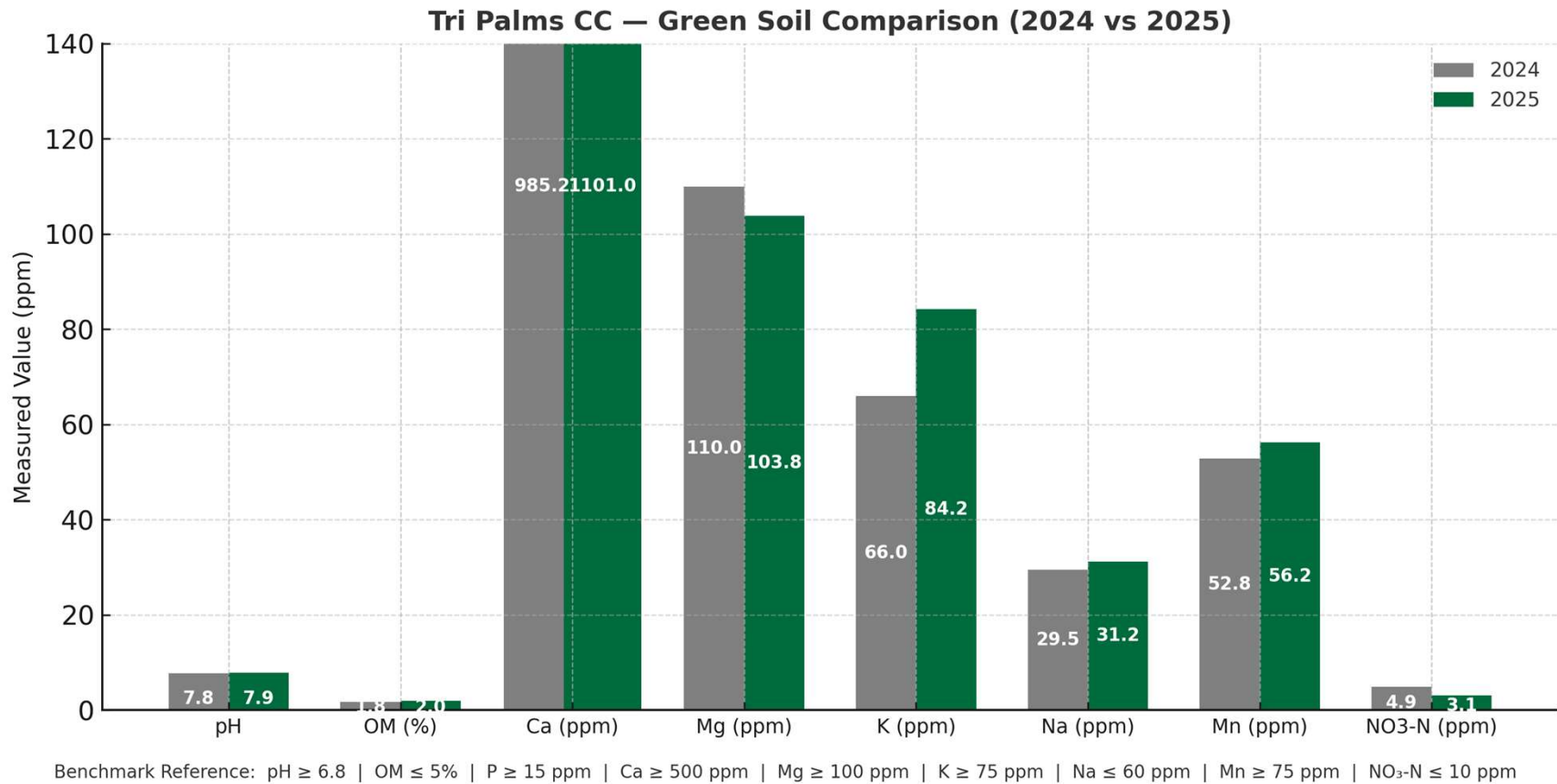


- Although your fairway soil is very fertile in typical for that valley, the high pH does potentially block out a lot of nutrients being available to the plant. Acidification in a routine manner, would be helpful to the native soil.





GREENS



- There is a good increase of potassium levels on the greens year over year. The nitrate levels were at nearly a perfect level for the upcoming overseed.



SUMMARY

Tri Palms Country Club – Fall 2025 Soil Health Summary

■ TEES – Soil Health Summary

- pH around 7.8–7.9, holding steady in target range.
- OM 2.8–3.0%, supporting firmness and recovery.
- Calcium ~1,600 ppm, ensuring structural strength.
- Magnesium ~135 ppm, maintaining proper Ca:Mg ratio.
- Potassium ~115 ppm, well above threshold; strong wear recovery.
- Sodium ~52 ppm, manageable but watch under high-salt irrigation.
- Manganese ~30 ppm, slightly low – light foliar Mn suggested.
- Nitrate-N ~8 ppm, good balance for growth without leaching.
- Overall: Solid nutrient foundation; monitor Na and boost Mn slightly.

■ FAIRWAYS – Soil Health Summary

- pH ~8.0, mildly alkaline but typical for desert carbonate soils.
- OM ~3.4%, slightly high but acceptable – maintain aeration program.
- Calcium ~2,200 ppm, high due to carbonates yet structurally sound.
- Magnesium ~190 ppm, well balanced with Ca.
- Potassium ~180 ppm, excellent drought resilience.
- Sodium ~54 ppm, moderate – continue acid flushing and leaching.
- Manganese ~38 ppm, sufficient.
- Nitrate-N ~9 ppm, adequate for sustained growth.
- Overall: Healthy profile; monitor Na levels and maintain aeration frequency.

■ GREENS – Soil Health Summary

- pH stable near 7.9–8.0, slightly high but normal for Coachella Valley conditions.
- OM around 2.0%, ideal for sand-based greens with no thatch accumulation.
- Calcium strong (~1,100 ppm); excellent structure and stability.
- Magnesium ~100 ppm; balanced with Ca for consistent exchange ratio.
- Potassium ~80 ppm; consider minor K bump in spring for summer stress.
- Sodium moderate (~31 ppm); irrigation and leaching programs effective.
- Manganese ~56 ppm; healthy mid-target range.
- Nitrate-N very low (~3 ppm), minimizing leaching risk pre-dormancy.
- Overall: Excellent balance; only minor pH moderation and K top-up needed.

Tri Palms CC soils remain well-balanced across all features. Calcium and OM levels provide strong structure and infiltration, while sodium and alkalinity require steady management. Light potassium and manganese adjustments, along with acidified irrigation, will sustain turf performance into 2026.



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