

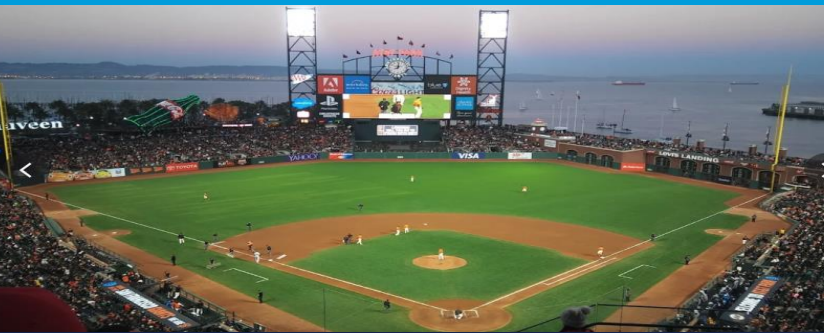


San Francisco Giants Oracle Park

SAN FRANCISCO, CA, USA

CASE STUDY

August 2025



MAKING EVERY DROP COUNT





Case Study Summary

Oracle Park is a very controlled installation. Changes in the soil and turf health attributable to the Rainmaker.Earth Water Treatment System can be observed more in isolation from outside influences. The water supply is standard city water.

The primary issues they have are soil compaction, oxygen content and rooting.

The Rainmaker.Earth Water Treatment System has already helped make significant progress in its first year of operation. Changes are cumulative and we expect more progress to be made as time passes.

In addition to aesthetics, player safety data provided by RAWstadia shows excellent improvement.



Center Field - Then and Now



Field February 2024

In the above photo you will notice the poor soil profile with black layer clearly present upon install.



Field July 29 2025

Most recent photo shows removal of Black Layer, Improved Soil Structure, Decompaction, Improved Infiltration.





Infield - Soil Health & Rooting Improvements

Breakdown of organic material and migration throughout the profile

Improved rooting

Improved soil health

Decreased layering
Improved nutrient availability



Prior to Rainmaker
March 2, 2025



June 16, 2025



July 29, 2025



Rainmaker.Earth System Impact

Trial Period:
June 16 – July 29, 2025
(44 days continuous)

KEY METRICS

**Average Rooting
Depth Increase:**
+1.67 in

**Average Penetrometer
Depth Increase:**
+2.25 in

Zone	Δ Penetration (in)	Δ Root Depth (in)
Left Field	+3.00	+1.75
Short Left	+1.75	+2.00
Center Short	+2.50	+1.75
Center	+1.75	+1.75
Right	+2.00	+1.50
Short Right	+2.00	+2.00
RF Foul Territory	+2.25	+0.75
C-Right	+2.00	+1.50
C-Middle	+2.50	+2.00
C-Left	+1.75	+1.75
LF Foul Territory	+2.50	+0.25
INF – 3rd Base	+2.25	+1.25
INF – 2nd/SS	+2.00	+1.75
INF – 1st Base	+2.75	+2.50



Rainmaker.Earth System Impact

Comparative Insights

- SF Giants site saw **25% greater compaction relief** and **2.6× more root growth** on average.
- Highest Δ penetrometer zones did not always match highest Δ root gains, highlighting the role of soil texture, moisture, and biology.
- RAWstadia-Player safety testing scores most consistent and safest since testing started 3 years ago. Will continue to monitor.



Testimonial Questionnaire

Full Name: **Gregory T Elliott**
Company: **San Francisco Giants**
Title/Role: **Senior Director, Field Operations**
Location: **San Francisco, CA**

What challenges or needs led you to work with Rainmaker.Earth?

Soil compaction, rooting issues, sustainability, and increased oxygen levels to assist the integrated biological nutrition program.

How would you describe the process of working with our team? (e.g., communication, professionalism, responsiveness, collaboration)

I enjoyed working with your team. They seem to find solutions and brainstorm with me to overcome any integration issues. We did have some surprises with the electrical and sourcing the Hydrogen Peroxide but those were quickly resolved. In my space, those issues are common, and they seem to be of importance to Kevin and Chris moving forward.

What results have you seen since working with Rainmaker.Earth? (e.g., water savings, environmental impact, ROI, system performance)

From a soil perspective we have seen increased root mass, penetrometer readings and quicker recovery times. The original sod layer between sod and sand has improved dramatically. The humus in the soil is moving downward and moisture is no longer sitting in the upper thatch. We are starting to see the excess Iron release and become plant available. The integration of the two systems, RainMaker & PRM, our biological nutrition program, is reacting better than expected. I believe the additional oxygen in the soil has had a positive response with nutrient availability allowing us to lower our inputs.

From a ROI standpoint, the increased nutrient availability has lowered our total N inputs and has allowed us to essentially remove pesticidal & wetting agent applications. We are still applying growth regulators for different reasons, but our soil (host) keeps the disease triangle in check.

Continued >



Testimonial Questionnaire (cont'd)

Full Name: **Gregory T Elliott**

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How has this project or solution made a difference to your business/land?

We have different concerns than most facilities, a tv contract broadcast to 8 million people nightly. These systems have allowed us to combat vulnerability from events when the team is on an away stand. We are only in 2 months, but we are seeing great results, and I believe the ROI is going to be one season. Next year we will continue to push the water down and our end goal of relieving compaction in the 4-14" range. If we can do this, we could offset years of abuse from events and save the organization millions of dollars. A new field then would be by choice not solely needed from compaction.

Were there any unexpected benefits or outcomes?

I would not say unexpected but hopeful, the PRM and Rainmaker systems worked cohesively. The term ozone was used when we first spoke about the system which is bad for biology but now, I understand the science better and we are considering brewing the microbes in the Rainmaker.Earth water.

On a scale of 1–10, how likely are you to recommend Rainmaker.Earth to others?

10, I believe every facility and golf course could benefit from this system. Most sports facilities are overusing N applications to force growth and recovery. Treating the soil is the key to lowering disease pressure and nutrient uptake. I've come to realize the most efficient option is to treat your water and have the irrigation system work for you. Most places are watering every/every other day. Keeping in with environmental trends and lowering your usage will only benefit the organization and preserve our water for consumption.



FOR MORE INFORMATION

Kevin Hauschel
VP North America, Sales/Business Development
Rainmaker.Earth Corp.

EMAIL: kevin.hauschel@rainmaker.earth

PHONE: 209-328-8130

rainmaker.earth

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