

# PERFORMANCE QUALITY STANDARDS (CORE PQS)



## Why Performance Quality Standards are important:

Maintaining your Athletic Fields to a Performance Quality Standard is essential to providing consistently safe and playable surfaces for your athletes. By meeting these standards you are providing a sustainable asset to your community.

A Core PQS uses objective data to identify the strengths and weaknesses of an Athletic Field. This data can be used to evaluate your current field conditions, justify maintenance decisions, and allocate budget resources.

## How Tom Irwin Advisors will help:

Our team will use specialized scientific instruments to perform a set of tests on your Athletic Field. This process will yield up to 133 data points that will help you understand your field's **playability**, **presentation**, and **structure**.

These test results will identify opportunities for you to improve your field and meet Performance Quality Standards.

We offer Core PQS assessments on athletic surfaces used for Football, Soccer, Baseball, Softball, Lacrosse, Field Hockey, Rugby, Track and Field, and Tennis.

## What we do for you during a Core PQS Assessment:

We perform up to 12 sport-specific tests that measure:

- Moisture
- G-Max
- Thatch Depth
- Root Depth
- Rotational Traction
- Planarity
- % Vegetative Cover
- % Weed Cover
- Surface Debris
- Infiltration
- Rootzone Medium Depth

Upon completion of testing, the following personalized reports are provided:

**Digital Report Card** – Details our findings and test results, which accurately identify your field's strengths and weaknesses.

**Result Tracking** – Tracks the progress of your maintenance program over time and provides a definitive record of your field's state of play.

**Summary Report** – Summarizes our findings and suggests the next steps necessary to provide outstanding playing conditions.

## SPECIFICATIONS:

### **Playability – How your Athletic Field performs**

- **Soil Moisture** – The field's Volumetric Water Content which illustrates moisture distribution and uniformity.
- **Surface Hardness** – The ability of the field to absorb impact (G-Max) and mitigate injury/concussion.
- **Rotational Traction** – Tertiary strength illustrates root strength, durability, and the ability to withstand play.
- **Planarity** – The evenness of the field over a representative area to promote field safety and reduce water collection points.
- **% Vegetative Cover** – The amount of total vegetative ground cover as opposed to bare areas.

### **Presentation – The visual impact of your Athletic Field**

- **Surface Debris** – The presence of detrimental debris which impacts safety and aesthetics.
- **% Weed Cover** – The presence of weed pressure which can decrease field durability and traction.

### **Structure – The physical properties of your Athletic Field**

- **Infiltration** – The rate at which water penetrates the surface of the Athletic Field at key locations.
- **Root Depth** – The extent of root development which impacts plant health and turf stability.
- **Thatch Depth** – The organic matter layer that influences playing conditions.
- **Rootzone Medium Depth** – The depth and consistency of the topsoil which impacts water holding capacity and root mass development.



To assess the current performance of your field and set a course for improvement, contact Ian Lacy at 781-999-4320 or [ianlacy@tomirwinadvisors.com](mailto:ianlacy@tomirwinadvisors.com)