



**SPORTSGROUND INFORMATION  
MANAGEMENT SYSTEM**



Sports field managers have a duty of care, to be across issues including: playing field safety, turf surface condition, carrying capacity, irrigation efficiency, cricket pitch safety and more.

Here at IPOS, you'll find a suite of physical and digital services, to help make great decisions. Seek first to understand, then intelligent planning decisions will be clear.

The IPOS system is linked to your Living Turf sales agronomist, so expert advice is always at your fingertips whenever you need it.

Brought to you by:



**IPOS (Sportsground Management Information System)** provides sports turf managers all the information they need to manage and monitor the agronomics, irrigation, usage levels, and safety of their sports grounds.

The 'cloud' based system enables the collection, storage, and display of data related to turf and soil conditions, irrigation water use efficiency, the impact of existing and increased usage and identification of hazards that may impact on user safety. All information is available anywhere – anytime.

The result is ..... **good information that informs good decisions**



### **Turf and Soil Quality**

This module provides a full agronomic analysis of the turf quality, soil structure and nutrient balance. The report enables fertiliser and turf maintenance programs to be developed from assessment results which are specific to each sportsground aimed at improving soil conditions, turf health and density, considering usage type and intensity.

#### **The following metrics are assessed:**

- Turf density
- Weeds
- Disease
- Pests
- Soil texture and structure
- Thatch
- Root depth and health
- Compaction (Penetrometer)
- Infiltration rate (Infiltrometer)
- Moisture (POGO/sensor)
- Surface hardness (Clegg)
- Soil nutrient and organic matter

Field assessment and measurements are combined with laboratory analysis to determine and monitor turf health and soil condition.

### **Turf Surface Condition**

Provides a simpler overview of the turf surface quality to allow the monitoring of turf health and playing surface conditions.

- Turf density
- Weeds
- Disease
- Pests



## Sportsground Risk

TurfSafe is the best practice risk management reporting system developed in accordance with the Australian Risk Management Standards and the Guidelines for Managing Risk in Sport and Recreation. Potential hazards are identified so that action

can be taken to minimise risk to player safety. The aim is to work with all stakeholders to implement best practice risk management reporting procedures and practices to meet your 'duty of care' responsibilities and ensure 'fit for purpose' playing surface quality.

Turf density is assessed as part of the report to gauge wear patterns and notification of high risks are emailed directly from the field with photos to allow prompt action.

The following risks are assessed:

- Surface integrity
- Pot holes/trip hazards
- Surface stability
- Surface gradient
- Ground hardness/impact severity
- Concrete/turf cricket pitches
- Sprinklers
- Exposed valve boxes
- Goal posts
- Fences
- Boundary clearances
- Foreign objects



## Turf Cricket Pitch Assessment

This module provides key information and measures specifically for cricket pitches.

- Turf type, density and health
- Surface levels
- Block hole condition
- Integration with outfield
- Pitch rotation
- Weed, disease and pest pressure
- Individual pitch assessment capability
- Practice pitch infrastructure
- Irrigation system and water supply





## Sportsground Usage and Capacity Assessment

The level of usage is one of the main factors which impacts the condition of the turf surface of a sportsground. Using validated competition fixtures, training schedules, and the number of registered teams, the ground usage rate is calculated. Using climatic data, type of usage/sporting code and sports ground quality assessments, the capacity of the ground to provide a safe 'fit for purpose' facility is determined.

The usage modelling information enables the development of management strategies to deal with high usage grounds and future planning for sport and recreation facilities where the capacity of existing facilities is limited.

The assessment can be performed remotely and requires baseline information from the client. The turf density data from TurfSafe or Turf and Soil Assessments can also be integrated



## Irrigation Efficiency Reporting

To ensure that the fundamentals of sound irrigation management are in place, the IPOS Irrigation Efficiency Model can assess the performance of the irrigation system to ensure adequate uniformity of water application.

This model provides monitoring of water usage:

- To calculate efficiency comparing actual water used to the irrigation requirement.
- To avoid wastage and manage increased water costs

## The Go-To Team Behind Your Team