



## GCSAI CONFERENCE 2017 Tues 14<sup>th</sup> & Wed 15<sup>th</sup> November

### **DAY 1 Registration 8.15 – 9.15**

- 9.15 – 9.20 Welcome and Introduction, GCSAI President, Damien Coleman
- 9.20 – 10.20 Dr John Dempsey, "Turfgrass Disease, Alternative Ways of Suppression"
- 10.20 – 11.20 Agnar Kvalbein Msc, "Demand Driven & Optimal Greens Fertilization"
- 11.20 – 11.40 **Tea/Coffee break**
- 11.40 – 12.40 John Ahern Golfgraffix "Utilising 3D & App Technology for Effective Communication"
- 12.40 – 14.40 **Lunch and GCSAI Partners Displays**
- 14.40 – 15.40 Dr Colin Mumford, Bayer, "New Chemistry – New Practices"
- 15.40 – 16.25 Jason Haines, GS, Pender Harbour GC "Precision Turfgrass Management"

### **Day 2**

#### **Workshop:**

- 9.30 – 12.30 Jason Haines, GS, Pender Harbour GC "Precision Fertilizing"

**This event is accredited with GCSAI CPD credits, code will be issued on the day.**

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GOLF COURSE  
SUPERINTENDENTS  
ASSOCIATION  
OF IRELAND

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## **LEARNING OUTCOMES GCSAI CONFERENCE 2017**

### **DAY 1**

#### **“Turfgrass Disease, Alternative ways of Suppression”**

1. Describe and understand the infection process of common turfgrass pathogens and understand current control methods.
2. Understand how a range of natural compounds can suppress disease.
3. Describe the effects of rolling on disease incidence.
4. Have an understanding of the responses turfgrasses have to pathogen challenge and how they can be primed or enhanced by a range of natural compounds.

#### **“Demand Driven & Optimal Greens Fertilization”**

1. The optimal nutrient mixture for grass plants
2. The relative growth potential for common green grass species
3. How carbohydrate status of the grass is related to nitrogen content
4. How to set up a fertilization plan that give's healthy turf
5. How to mix your own liquid fertilizer

#### **“Utilising 3D & App Technology for Effective Communication”**

1. Understanding of effective communication
2. Understanding of modern tools to aid in communicating course issues to Staff, Members and Committees.

#### **“New Chemistry – New Practices”**

1. Learn the processes required to produce a fungicide
2. Distinguish between the different chemical groups
3. A good understanding of disease resistance
4. Integrated disease management.

## **“Precision Turfgrass Management”**

1. What is sustainability and what does it look like?
2. Steps to take to works towards sustainable operations for your specific circumstances. Every course is different and has different challenges that can be addressed.
3. A detailed look at how I worked to improve my operations regarding equipment use, fertilizer, pesticide and water use.
4. A detailed look at how maintenance practices such as mowing can be optimized
5. Unexpected observations from minimalist turfgrass management.

### **DAY 2**

#### **Workshop 9.30am – 12.30**

## **“Precision Fertilizing”**

1. MLSN Guidelines, what are they and how do they work.
2. Growth Potential and how it can be used to estimate nutrient use for specific climates and grass types.
3. Using the MLSN and Growth Potential to determine fertilizer needs.
4. Fertilizer needs based on reality (clipping yield).
5. Beyond MLSN, using lack of fertilizer to reduce pests in turfgrass.