

# Soil Biology and Greenkeeping

## Seminars 2018



**Diseases, fungal dry patch, fairy rings, the speed of thatch reduction, nematode attacks, percolation rates** and even the **grasses you grow** are all determined by the biology in your rootzone. This seminar will help you understand how to improve your playing surfaces by improving your rootzone biology to solve the most pressing turf management problems.

- **WHEN:** 27<sup>th</sup> February 2018
- **WHERE:** Golfpark Almekreek - Hoekje 7b 4286 LN Almkerk
- **COST:** FREE Seminar with lunch included
- **CONTACT:** Ruud Snijders [snijders@innogreen.nl](mailto:snijders@innogreen.nl) +31 (0)610 59 7243 to book your place

The day starts at 9.30 with teas / coffees on arrival and is designed to help understand **how playing conditions can be improved and savings can be made** by working with soil biology instead of fighting against it.

9.30 - 9.45	Coffee and registration
9.45 - 10.45	<b>Soil Biology</b> – What's it all about? What do these microbes do and why are they are so important for turf managers.
10.45 - 11.15	<b>Setting the scene</b> - why soil biology is deficient in sports turf.
11.15 - 11.35	<b>Break</b>
11.35 - 12.10	<b>Technologies unique to Symbio</b> - Compost Teas, Biofixation and Microbial technologies. – The different methods of introducing essential microbes into soils. New legislation, what does it mean?
12.10 - 12.45	<b>Is Aggressive Aeration and Heavy Top Dressing Necessary</b>
12.45 - 13.30	<b>Lunch</b>
13.30 - 14.00	<b>Early start</b> how to extend the growing season and beat your neighbours to a great playing surface every spring.
14.00 - 14.30	<b>Enhance Soil Biology, promote the life in your soil</b> - What Symbio can do for you an explanation of analysis results and building a programme that works for you. <b>How soil biology can help your business</b> -Cost benefits. Improved surfaces with less disruption means more revenue. Reduce top dressing, fungicide and fertiliser bills.
14.30 - 14.45	Questions, discussion and close.

**4 CPD POINTS WILL BE AWARDED**

### YOUR HOSTS

**Kerr Hunter.** Kerr completed his Turf Grass Science degree at Myerscough College conducting his research on the use of mycorrhizae and zeolites. Kerr was a Course Manager and was a loyal Symbio customer for many years, this along with his degree, has given him a solid insight into combining scientific principals with effective greenkeeping practices.

**Ruud Snijders,** directeur Innogreen BV en bodemkundige met passie Voor de bodembioologie én een groenere leefomgeving. Al jaren (gast)docent Bodemkunde en natuurlijk groenbeheer. Specialist in (organische)meststoffen en biologische gewasbescherming.



# Seminar Learning Outcomes

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- ✓ How to create a low cost management regime based on healthy soil and healthy grass
  - ✓ How soil biology, chemistry and physics interacts on sports turf rootzones to create healthy soil and grass
  - ✓ How to apply biology and chemistry for the best results.
  - ✓ Understand the different ways you can apply and improve soil biology and the difference between microbial products on the market today.
  - ✓ The biology required to get the results you want e.g. for thatch reduction,
  - ✓ Know which biostimulant to use and when to apply it for best results
  - ✓ How to convert thatch to a biostimulant and plant food to improve drainage and increase perennial grass species.
  - ✓ Understand the biology of turf grasses and what must be done to convert a poa annua sward to perennial grasses.
  - ✓ How to manage poa annua with minimum cost.
  - ✓ How to replace hollow coring to reduce compaction, improve percolation and reduce top dressing inputs, replacing it with micro tine aeration by the creation of healthy soil
  - ✓ How to implement the 4 natural defence mechanisms plants and soil microbes use to prevent common turf grass diseases.
  - ✓ The requirements needed to grow in a golf course in 4-6 months or football pitch in 5-6 weeks from sowing
  - ✓ How to reduce fertiliser inputs by harnessing the natural production of ammonium and the solubilisation of locked up nutrients
  - ✓ Common myths and misconceptions about using soil biology to improve soil and plant health.
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