



## **ANALYSIS-PACKAGE Blgg laboratories**

### **RISCover<sup>®</sup> ornamental**

Monitor plant diseases in your substrate

Blgg introduces RISCover<sup>®</sup>. By means of regular check-ups of pathogenic fungi in a substrate, it is possible to trace their presence in an early stage. So the risk of fungi actually infecting the crop and resulting production losses is limited significantly.

Insects can easily be monitored in the crop, but how to deal with fungal diseases occurring in the root environment? Mostly they can not be seen by the naked eye. Often they are only discovered when the plants already show symptoms of the infection, which is actually too late.

RISCover<sup>®</sup> visualizes the invisible. Regular, preferably monthly analysis, create opportunities to act upon the presence and development of the fungal population. Measures can be taken before the infection leads to quality and/or production problems.

#### **How does RISCover<sup>®</sup> work?**

RISCover<sup>®</sup> is using techniques by which DNA of fungi is analysed. Every organism contains an unique DNA pattern, a kind of BAR-code. These codes are crucial to distinguish different types of fungi.

In the re-circulation water, RISCover<sup>®</sup> can detect plant pathogenic fungi. The Blgg RISCover<sup>®</sup> test can analyse several fungi in one sample, this is the so called 'multiplex' technique. Also quantities of fungal population presence can be measured with this technique.

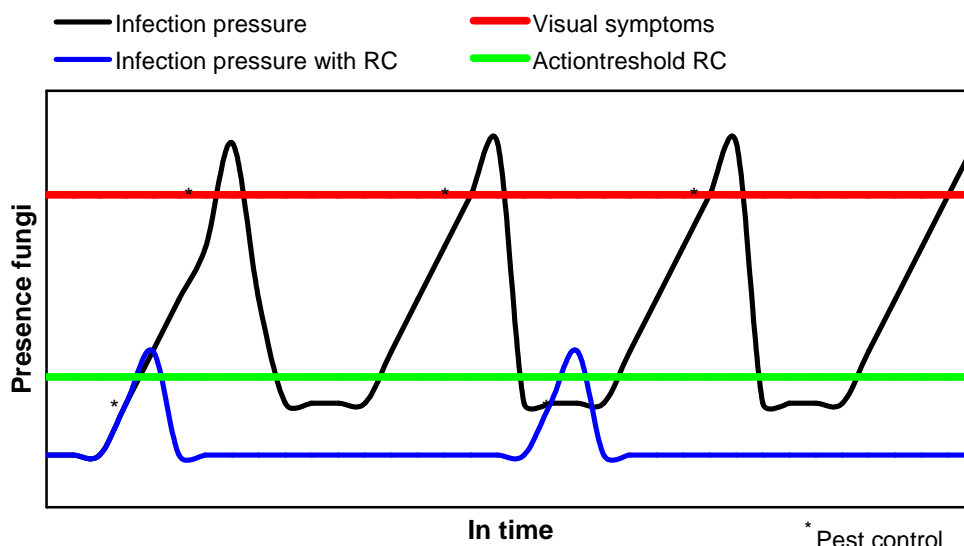
Not every crop is sensitive to the same fungi. Therefore, Blgg offers specific tests for different crops, starting with tomato, cucumber, (sweet) pepper and rose. This has resulted in a product, which is both plant specific and cost effective.



#### **Your Riscover<sup>®</sup> benefits**

Early monitoring creates an opportunity to limit or avoid damage to the crop. In addition, it can reduce the use of pesticide applications. Furthermore, the use of RISCover<sup>®</sup> can lead to higher quality products, e.g. lesser amounts of bad quality flowers.

## RISCover monitoring versus conventional pest control



Graphic presentation of the effect of RISCover®

Visual presence of disease symptoms are mostly controlled by fungicide applications. Blgg is developing new crop protection strategies to reduce the use of environmental harmful fungicides. This is done by e.g. developing different irrigation strategies. The results of these control measures can be measured immediately by monitoring the reduction of the presence of fungal pathogen populations.

Regular drain water analysis on the presence of nutrients can ideally be combined with the monitoring tool of RISCover®. In addition, RISCover® is the perfect tool for a hygiene check-up when a new cropping season starts. This is what we check:

ROSE	GERBERA
<i>Colletotrichum spp.</i> <i>Cylindrocarpon destructans</i> <i>Cylindrocladium spp</i> <i>Fusarium spp.</i> , <i>Fusarium oxysporum</i> <i>Fusarium solani</i> , <i>Phytophthora spp.</i> , <i>Phytophthora cactorum</i> <i>Phytophthora cryptogea</i> <i>Phytophthora nicotiana</i> <i>Pythium spp.</i> , <i>Pythium aphanidermatum</i> , <i>Pythium dissotocum</i> <i>Pythium ultimum</i> <i>Rhizoctonia solani</i> <i>Verticillium albo atrum</i> <i>Verticillium dahliae</i>	<i>Fusarium spp.</i> , <i>Fusarium oxysporum (NEW!)</i> <i>Fusarium solani</i> , <i>Geotrichum candidum (NEW!)</i> <i>Myrothecium roridum (NEW!)</i> <i>Phytophthora spp.</i> , <i>Phytophthora cactorum</i> <i>Phytophthora cryptogea</i> <i>Phytophthora drechsleri (NEW!)</i> <i>Phytophthora nicotiana</i> <i>Pythium spp.</i> , <i>Pythium aphanidermatum</i> , <i>Pythium dissotocum</i> <i>Pythium irregulare (NEW!)</i> <i>Pythium ultimum</i> <i>Rhizoctonia solani</i> , <i>Sclerotinia sclerotiorum</i> , <i>Thielaviopsis basicola (Chalara elegans)</i> <i>Verticillium albo-atrum</i> <i>Verticillium dahliae</i>

Status range March 2007

By combining the test results with all relevant information on the growing conditions and cultural practices, RISCover® will become the *perfect* tool to limit plant infection. More information about sampling practices will be shown in a separate sheet. An intensive co-operation between you, as a grower and RISCover® will maximise the benefits from this revolutionary product.

### We welcome your cooled samples at:

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