



Scoutbox: Automated Pest Detection and Diagnosis

Product Specifications

The Scoutbox exists of an analyzing device and a web application. Pest detection is carried out by a scout in the greenhouse using the Scoutbox device to analyse yellow sticky plates. Images of the sticky plates are collected, processed and analyzed by specially designed software on the Scoutbox Portal. Directly a diagnosis will be available online, showing all plates with possible alerts projected in a floor plan of the Greenhouse.

Our Users

- Horticultural sector
- Agricultural Research Stations
- Horticultural Consultants (Pest Management/Scouts)

Detection & Diagnosis

The Scoutbox can detect the most important pests in Tomato, Peppers, Cucumbers and other major Crops and Flowers, examples are:

- White Fly
- Macrolophus (predator)
- Thrip
- Leaf Miner (in progress)

Advantages

- Objective and fast counting of sticky plates
- Direct visual alerts, which are online available
- Easy management reports and data export to local management systems
- A Scoutbox is portable and can serve multiple greenhouses



The screenshot shows the Scoutbox web application interface. It includes a navigation menu on the left with options like 'Home', 'Trips', and 'Reports'. The main area features a 'Trips' calendar with a grid of dates and a 'Statistiek' (Statistics) section. Below the calendar is a table with the following data:

Week	Count	Scout	PestID	PestName
201116	0	20386	1	Trips
201115	14	25386		Witte vlieg
201115	10	25386		Blagelijk Trips
201116	0	25904	1	Trips
201116	17	25904		Witte vlieg

Price list 2012

Products	Produkt description	Number	Price
1	Scoutbox - analyzer	1	€ 3.950,00
2	Creating a graphic layout of the greenhouse and plate locations, per greenhouse location (first time)	1	€ 480,00
3	Location Stickers	500	€ 25,00
Cost of use			
5	Tariff for 1 to 2500 analyses, per analyses per year		€ 0,49
6	Tariff for 2500 to 5000 analyses, per analyses per year		€ 0,39
7	Tariff for all analyses over 5000 per year.		€ 0,22
Maintenance			
8	Annual Preventive Maintenance (spare parts not included) (optional)		€ 450,00
9	Full Service Maintenance (spare parts included + replacement analyzer), annual contract (optional)		€ 900,00

Prices are exclusive of VAT and costs of shipment

Scoutbox service

Scoutbox service exists of the purchase of an Scoutbox analyzer and a fee per analyses. Purchase of the Scoutbox requires a minimum of 2500 analyses. After that the tariff for analyses will become cheaper the more analyses are made with the Scoutbox. Subscriptions are sold per customer, a customer can have multiple scoutboxes for multiple greenhouses. All results can be entered through one account on the online webportal. Separate login accounts for locations are considered to be separate customers and are bound to the tariff structure.

Scoutbox

One Scoutbox can analyse about 150 sticky plates in a 8 hour workday in one location. The Scoutbox needs to be recharged mostly every 1 or 2 days depending on its use. As it is a portable device it can be used on multiple locations. Images are uploaded to the Scoutbox website through an automated upload program that can be downloaded from the webportal.

Sticky plates

The Scoutbox can handle the usual yellow sticky plates however the size is fixed to the regular size. Cropwatch will advise on the type of plates to be used in combination with the scoutbox. All plates will have to be stickered with stickers provided by Cropwatch, in order to automatically detect the location of the plate in the greenhouse

Online Reports

The online reports show the sticky plates in the floorplan of the greenhouse. The grower can set his own threshold numbers passed for alerts. Once a threshold has the color of the sticky plate in the floorplan will change from green to orange or red.

Maintenance

Cropwatch offers a maintenance service for the scoutbox in Netherlands, Belgium, Germany and Spain. Depending on the location of customers outside these countries we can organise maintenance. Maintenance is offered as a contract in 2 forms, with or without full coverage of parts.

The warranty period for the Scoutbox is 1 year. All productsales are bound by the general terms and conditions of Cropwatch BV