

# Scientific conference on boxwood pests

16<sup>th</sup> and 17<sup>th</sup> of  
October 2018

Auditorium  
Thélème in  
Tours (France)  
University

  
Traduction simultanée  
With simultaneous  
translation

 Centre-  
Val de Loire  
[www.regioncentre-valde Loire.fr](http://www.regioncentre-valde Loire.fr)

  
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## → Goals

Used during several centuries to organize japanese gardens or french gardens, boxwood is an emblematic plant for castles, parks, and national monuments. Pests regarding boxwood can constitute global economic risks as they can attack this plant both in landscapes and in forest where it grows naturally.

Aware on this issue for boxwood, the AFPP aims at organizing this international conference with three main subjects :

- Introduction with a global issue regarding sanitary problems for boxwood.
- Synthesis of knowledge acquired against the two main pests for boxwood (pyralid moth) and diseases).
- Current situation and description of pest control in the future.

## → Attendees

- Garden managers, patrimonial, public or private companies.
- Searchers
- Head of projects
- Students
- Farmers
- Teachers
- Technical Institutes
- Public administration

## → Practical informations

The conference will be held on the 16<sup>th</sup> and 17<sup>th</sup> October 2018 (2 days) at Tours University (France). Exact place is Auditorium Thélème – 60 rue de Plat d'Etain, 37000 Tours. All detailed informations will be sent to each registered participant.



# PROGRAM

## TUESDAY 16<sup>TH</sup> OCTOBER 2018

→ 8:30 - 9:00

Late registration

→ 9:00 - 9:20

Welcome introduction

*President of the University and city/department/region representatives, speech from the president of the JEVI commission, Mr Ollivier DOURS*

→ 9:20 - 9:40

### **INTRODUCTION**

History, societal responsibility, symbolic and cultural of the box tree  
*Mr Henry CARVALO, manager of the Domain, Château et jardins de Villandry*

→ 9:40 - 10:40

### **SESSION “THE BOXWOOD, A MULTIFACETED PLANT”**

*Session organizer : Ollivier DOURS, Institut Ecoumère Golf et Environnement*

Genus *Bruxus* and its main species : an infinite number of uses and variations

*Hubert PUZENAT, landscape architect, technical adviser and scientific for Conseil départemental, Château du Grand Jardin de Joinville, one of the three collections agreed by CCVS*

Box blight in Europe – 20 years of experience/solutions for the future  
*Didier HERMANS, Herplant BVDA, Belgium*

Interspecific hybridation : a next approach to save the box tree?

*Katrijn VAN LAERE, Institute for Agricultural and Fisheries Research, Belgium*

→ 10:40 - 12:00

### **SESSION “KNOWLEDGE AND BIOLOGICAL MONITORING OF BOXWOOD PESTS”**

*Session organizer : Ollivier DOURS, Institut Ecoumère Golf et Environnement*

Inventory, illustrative overview of damages caused by several bioagressors et non pest affection causes of the box tree

*Laurent JACOB, ASTREDHOR*

Epidemic monitoring of the box tree bioagressors in France : tools, platforms, methods, quality and volume of analysis of the crop protection informations registered

*Jérôme JULLIEN, SDQPV / DGAL*

The BSV in JEVI and in amateur garden, a tool to evaluate phytosanitary risks, importance and identity of monitoring networks

*Hannah SURMELY, SNHF & Maxime GUÉRIN, Plante & Cité*

AGIIR, an application of participative sciences dedicated to the invasive insects or pest with strong repercussions on plant health

*Jean-Claude MARTIN, INRA Avignon*

→ 12:00 - 13:30

LUNCH

→ 13:30 - 14:15

### REGULATORY SESSION

Session organizer : Eric CHAPIN, Cosave

Pest management in JEVI of public and private spaces: what is authorized by the law, what is not authorized

Pauline BODIN, DRIAFF Île-de-France

Evaluation and decision process regarding the authorisation of products or technical in boxwood pest management

Jérôme LAVILLE, ANSES DAMM

→ 14:15 - 16:30

### SESSION "KNOWLEDGE, SITUATION AND THRESHOLDS OF PESTS"

Session organizers: Maxime GUÉRIN, Plante & Cité and Éric CHAPIN, Cosave

INCA project : Dynamics of invasion and flow of populations of the pyralid moth in France

Jérôme ROUSSELET, Daniel SAUVARD, INRA Orléans

Flight following of the boxtree moth's as part of the territorial bio-monitoring

Cyril KRUCZKOWSKI, FREDON Centre-Val de Loire

Dynamics of invasion of the pyralid moth of the boxwood in Europe, works driven directly in China : inventory of its natural enemies in Asia and in the world, the potential of use in Europe by fight preservation

Mark KENIS, CABI, Switzerland

Contribution of knowledge on nematode parasites of the boxwood, the species and the damages

Nathan GARCIA, ANSES-LSV-Unité de nématologie

Others secondary pests of the boxwood

Philippe REYNAUD, ANSES-LSV-Unité d'entomologie

Technical breeding of the boxwood pyralid moth in forest

Thomas DEFFERIER, UEFM INRA Antibes and FREDON Île-de-France

Monitoring and impact of boxwood pyralid moth in forest

Morgane GOUDET, Département Santé des Forêts

→ 16:30 - 17:00

COFFEE BREAK

→ 17:00 - 18:45

### SESSION "KNOWLEDGE, SITUATION AND DAMAGES OF DISEASES"

Session organizer : Éric CHAPIN, Cosave

Inventory, illustrative panorama of the various known fungal diseases and in parasitic complexes of the box tree

Laurent JACOB, ASTREDHOR

Biology and management of Volutella Blight caused by *Pseudonectria buxi*

Tom HSIANG, School of environmental Sciences, University of Guelph, Ontario, Canada

Inventory of the biodiversity of the fungal flora of the evergreen boxwood in urban zones

Cony DECOCK, Université Catholique de Louvain, Belgium

Studies of pathogenecity or fungal communities detected on *buxus sempervirens* inoculated on *Buxus micropylla*

Pending contribution

The species of *Phytophthora* harmful to the boxwood

Marc-Antoine CANNESAN, Astredhor Seine-Manche

END OF THE FIRST DAY

→ 18:45

→ 19:45 - 22:00

Dinner or Cocktail (optional) at the "prieuré St Cosme"

## WEDNESDAY 17<sup>TH</sup> OCTOBER 2018

→ 8:30 - 10:15

### SESSION "WAYS OF FIGHT AGAINST THE PYRALID MOTH OF THE BOXWOOD" FIRST PART

Session organizer : Anne-Isabelle LACORDAIRE, Biocontrôle, Formation & Conseil

Panorama of the research works on the management of the pyralid moth of the boxwood

**Maxime GUERIN, Plante & Cité**

What is in the biocontrol toolbox? - Results of testing different options to control the boxwood pyralid moth, *Cydalima perspectalis*, in Germany  
**Annette HERZ, Julius Kühn-Institut, Germany**

Research and inventory of potential agents of biological regulation linked to the pyralid moth of the boxwood in natural biosystem

**Elisabeth TABONE, UEFM INRA Antibes**

Work in progress on the biocontrol of *Cydalima perspectalis* by means of parasitoides oophages (SaveBuxus program)

**Marine VENARD, UEFM INRA Antibes**

Use of trichogrammes in the regulation of alien population of pyralid moth in forest - Result of the test have been done in Drôme in 2017

**Bernard BOUTTE, Département Santé et Forêts**

→ 10:15 - 10:45

COFFEE BREAK

→ 10:45 - 12:00

### SESSION "WAYS OF FIGHT AGAINST THE PYRALID MOTH OF BOXWOOD"

Session organizer : Anne-Isabelle LACORDAIRE, Biocontrôle, Formation & Conseil

Regulate the pyralid of the boxwood :

- Limited use of use of sexual pheromones synthetic
- A first non scientific approach of predation by *Parus spp.*

**Jean-Claude MARTIN, INRA Avignon**

Synthetic blend of larval frass volatiles repel oviposition in the invasive boxwood moth, *Cydalima perspectalis*

**Peter BELA MOLNAR, Plant Protection Institute, Centre for Agricultural Research, Hungary**

Experience with the use of entomophages in the protection of boxwood from box fire in the North Caucasus

**Yuri GNINENKO, Russian intitute of sylviculture and forest, Russia**

### SUBMISSIONS POSTERS

Evaluation of the remanence of emamectine benzoate after micro injection in the plant host against pyralid moth

**Jérôme ROUSSELET, INRA Orléans**

Integration of micro doses of sugars, trichogrammes and Bt to establish a biocontrol strategy against pyralid moth of boxwood

**Ingrid ARNAULT, University of Tours**

→ 12:00 - 12:30

POSTER SESSION

→ 12:30 - 14:00

LUNCH



# REGISTERED FORM

## Scientific conference on boxwood pests

Bulletin to be returned as soon as possible accompanied with the payment at the following address:

AFPP - 42 rue Raymond Jaclard - 94140 ALFORTVILLE

Phone : + 33 (1) 51 79 19 80 – Fax : + 33 (1) 41 79 19 81 – email : [afpp@afpp.net](mailto:afpp@afpp.net)

One bulletin a person joining. Write in capital letter

Name \_\_\_\_\_

First name \_\_\_\_\_

Company / Institut\* \_\_\_\_\_

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Postal code \_\_\_\_\_ City \_\_\_\_\_

Country \_\_\_\_\_

Phone \_\_\_\_\_ Email \_\_\_\_\_

\*Thanks to indicate your activity sector in next page.

Inscription at Scientific conference on boxwood pests. Price per person in euros.

The registration includes the conference, proceedings of the conference on USB key, pauses and the lunches of 16<sup>th</sup> & 17<sup>th</sup> of October.

## TARIFS

|                                                                                               | <i>Before 07/09/18</i>          | <i>After the 07/09/18</i>       |
|-----------------------------------------------------------------------------------------------|---------------------------------|---------------------------------|
| <b>AFPP members</b> (update of contribution)                                                  | 225 €* <input type="checkbox"/> | 265 €* <input type="checkbox"/> |
| <b>(For retired members of AFPP, 50 % discount on initial price)</b> <input type="checkbox"/> |                                 |                                 |
| <b>AFPP no member</b>                                                                         | 270 €* <input type="checkbox"/> | 310 €* <input type="checkbox"/> |
| <b>Member of organizing committee</b>                                                         | 100 €* <input type="checkbox"/> | 100 €* <input type="checkbox"/> |
| <b>First author or representative</b>                                                         | Free of charge                  | Free of charge                  |

Lunches are included in the prices, please confirm your participation:

- Lunch 16<sup>th</sup> October 2018
- Lunch 17<sup>th</sup> October 2018
- Will need the carphone for translation (free)

|                               |                                   |                                   |
|-------------------------------|-----------------------------------|-----------------------------------|
| <b>Students<sup>(1)</sup></b> | 20 € TTC <input type="checkbox"/> | 20 € TTC <input type="checkbox"/> |
|-------------------------------|-----------------------------------|-----------------------------------|

### Additional

- Wish to participate in the gala dinner  
Prieuré St Cosme the 16<sup>th</sup> October 2018
- Wish to get the paper version of the conference
- Membership AFPP 2018

Bulletin to be downloaded on AFPP website)

**Total** \_\_\_\_\_ **Total** \_\_\_\_\_

<sup>(1)</sup>No included lunches. \*included taxes

# PROGRAMME (suite)

→ 14:00 - 15:20

## SESSION "WAYS OF FIGHT AGAINST THE DISEASES OF THE DECAY OF THE BOX TREE"

*Session organizer : Marie-Paule JUGNET, Santé des Végétaux*

State of the phytosanitary fight against the box Blight - cylindrocladiose  
*Bruno GOBIN, PCS - Het Proefcentrum voor Sierteelt*

Assessment of five years of studies of research for solution of biocontrol against the cylindrocladiose  
*Laurent JACOB, Astredhor*

Study of the varietal resistance of the boxwood sempervirens in the cylindrocladiose in the program Save Buxus  
*Agnès LANGLOIS, Astredhor Seine - Manche*

Alternative plants to box tree : state of two years of field trials in Occitanic region  
*Jean-Marc DEOGRATIAS, Astredhor Sud-Ouest*

→ 15:20 - 16:00

## SESSION "HOW TO ORGANIZE THE TECHNICAL CONTROL, FEEDBACK FROM EXPERIENCES"

*Session organizer : Hervé LOUSSERT, DRAAF-SRAL Occitanie*

Management of *Cylindrocladium buxicola* and *Volutella buxi* in urban ecosystems : lausannoise experience

*Paolo FORNARA, Gardener in the service of parks and domains of the city of Lausanne*

Manage day by day the health of topiary massifs of boxwood within a remarkable domain  
*Laurent CHABANE, gardener of the "Manoir d'Erygnac"*

→ 16:00 - 17:15

## ROUND TABLE: "CAN WE AVOID PLACE OF THE BOXWOOD, IN JEVI AS WELL AS IN CASTLES AND PATRIMONIAL PARKS"?

*Attendees : Jean-Michel SAINSARD, Expert park and garden in the Department of heritage and the culture, Geoffroy de LONGUEMAR, president of of association park and garden in Brittany region, Agathe DUPIN, development manager in plants techniques in plant garden, Orléans city*

→ 17:15

END OF THE CONFERENCE



Photo credit : P. Pinte & Cité - Astredhor

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