Extended Diagnostic Expert System (XDES) Sub-Group Report

CORESTA AP Conference 2019

Victoria Falls - Zimbabwe

16 October 2019

1. **Collect international data on plant diseases, photos, descriptions, diagnostics, available treatments, etc.**

2. **Format this information for uploads on the e-phytia/tobacco website and related portable applications.**
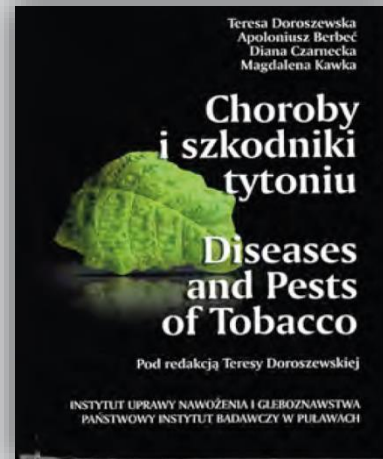
Purpose

➢ **to add new information to already accessible data**

➢ **to get other countries or institutions to participate**

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❖ **Information from U.S. situation was provided by NCSU :**

  ➢ **Blue Mould**

  ➢ **Fusarium Wilt**

  ➢ **Bacterial Wilt of Tobacco**

  ➢ **Tomato Spotted Wilt Virus (TSWV)**

  ➢ **Damping-off (Sore Shin, Target Spot)**

  ➢ **Black Shank, Stem Rot (Athelia Stem Rot, Southern Stem Blight)**

  ➢ **A section on seedlings was added to the "Diagnosis by Image"**

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- ❖ **In 2015 the Polish Institute of Soil Science and Plant Cultivation sent photos**

- ❖ **2016 contents were added in herbicide injuries, drought injuries, infectious diseases, nutritional deficiencies and excesses, and pests**

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Information from Tobacco Research Institute, Chinese Agricultural Academy Science on:

➤ **Pectobacterium**

➤ **Tobacco cyst nematode**

➤ **Sore shin, target spot**

➤ **A new alternaria species called Alternaria zhangjiajieense sp.nov. causing brown spot disease in Hunan province in 2016**

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❖ **Translation of Di@gnoplant into Portuguese**

  ➢ **CORESTA started a cooperation project with UNISC (University of Santa Cruz) in 2017**

  ➢ **Translation is done!**

  ➢ **Proof reading is underway**

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2018 Information from Tobacco Research Board, Zimbabwe, was added on the website

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You

may have local observations on diseases and pests (pictures, descriptions, diagnostic, available treatments) which could complete the already existing fact sheets
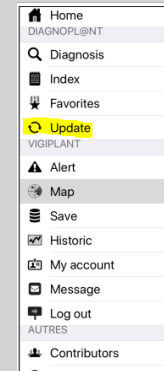
Send us your information in English

Evaluation of all information is submitted to INRA experts for approval before publication

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Di@gnoplant Downloads

❖ **3200 downloads on Applestore 2018**

❖ **1520 on Google Play**

❖ **Asia-Pacific, Europe, United States, Africa, Middle East and India, Latin America and the Caribbean**

❖ **Do not forget to update your application!**

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- ➢ **Susan Dimbi, TRB, Zimbabwe**
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- ➢ **Marcos Lusso and Marilia.G.Della Vecchia, Altria, USA**
- ➢ **Vilson Arend, Profigen, Brazil**

- ➢ **Dominique Blancard (INRA)**
- ➢ **And all the other contributors**

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