

The Purdue Plant Doctor App

Track Code: 2013-SADO-66474

Categories:

- Agriculture
- Computer Technology

Keywords:

- Agriculture
- Assays
- Horticulture
- Mobile Apps
- Plant Disease

Diagnosing plant diseases is often a tedious and costly experience for farmers, gardeners, landscapers, and homeowners. Most often, individuals hire an expert to come and inspect the plants to determine the disease or they spray the trees with pesticides without knowing the underlying problem. These solutions can be costly.

Researchers at Purdue University have developed an app that allows you to identify problems with your plants. The first extension of the Plant Doctor Suite is the Purdue Tree Doctor. The app contains a database of over 1,000 images of hundreds of tree-related issues. The user identifies the tree type and then selects the part of the plant affected. A series of high definition images appear. The user compares the images with their plant's issue. When they find a match, they can select the image for detailed information on how to manage the problem.

Advantages:

- Fast, convenient, and inexpensive method to diagnose plant issues

Potential Applications:

- Agriculture
- Computer technology
- Plant disease diagnosis

People:

- Sadof, Clifford Seth (Project leader)
- Beckerman, Janna Leigh
- Luke, Eileen M Marie
- McClure, David Michael

Intellectual Property:

Application Date: February 17, 2016

Type: Copyright

Country of Filing: United States

Patent Number: TX 8-263-678

Issue Date: February 17, 2016

Contact OTC:

Purdue Office of Technology Commercialization

The Convergence Center

101 Foundry Drive, Suite 2500

West Lafayette, IN 47906

Phone: (765) 588-3475

Fax: (765) 463-3486

Email: otcip@prf.org