

Linking the People's Republic of China to the International Distance Diagnostic and Identification System Network

Pest and Plant Disease Diagnostic Networks:

Distance Diagnostic and Identification System (DDIS): ddis.ifas.ufl.edu

Pests and plant diseases cause enormous economic losses in agriculture throughout the world. A coordinated effort is needed to protect against invasive pests, plant diseases and their overall impact on agriculture, trade and the environment. The **D**istance **D**agnostic and **I**dentification **S**ystem (DDIS) for Extension was developed by the University of Florida/IFAS. The system is designed for agricultural specialists and diagnostic laboratories or clinics. DDIS provides a collaboration and communication tool for first detectors, extension specialists and diagnosticians to share information on plant insects and diseases, and invasive species. The system uses field data and digital media for early diagnosis of plant disease, insect, weed, invasive species, plant management, physiology, and nutrient problems. Specialists around the world can perform diagnosis and identification and provide best management practice recommendations to the users. The archived DDIS database and media library are a resource for research, educational programs, and classroom teaching.

The threat of pests and plant diseases has the potential to seriously damage our agriculture and food supply. The Web-based diagnostic network can be used as a tool to enhance the capacity for screening, monitoring, mapping pests in time and space, and quickly detecting high-consequence pests and dangerous plant pathogens introduced into agricultural and natural ecosystems.

Southern Plant Diagnostic Network (SPDN): www.sepdn.org

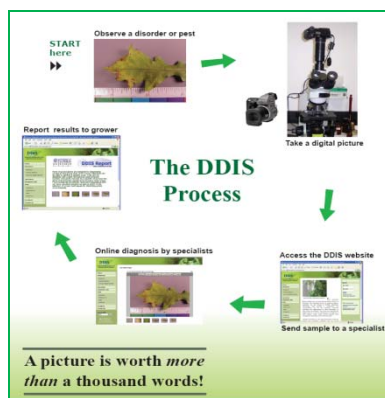
National Plant Diagnostic Network (NPDN): www.npdn.org

Caribbean Regional Diagnostic Network (CRDN): crdn.ifas.ufl.edu

International Plant Diagnostic Network (IPDN): ipdn.ifas.ufl.edu



DDIS: Protecting agriculture through education, early detection, and accurate diagnosis.



Process



Hardware



Digital Samples

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连接中华人民共和国到 国际远程昆虫和植物病诊断和识别网络系统

昆虫和植物病诊断网络系统

远程诊断和识别系统 (DDIS): ddis.ifas.ufl.edu

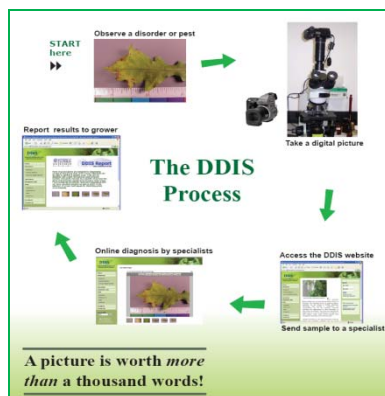
现今，虫害和植物病对全世界的农业生产造成了巨大的经济损失。各国需要协调努力共同防范外来入侵害虫、植物病害对农业，贸易和环境的影响。远程诊断识别系统 (DDIS) 是佛罗里达大学食品和农业科学研究院研发的一个网络系统。该系统是专门为农业技术推广代理员、农业专家、昆虫和植物病诊断实验室和诊所设计的。DDIS 为病虫害观察员、外部专家和诊断专家提供了一个对植物病虫害及入侵物种信息进行交流和合作的工具。该系统利用当地农业数据和数字媒体对植物病害、虫害、杂草、入侵物种、植物管理等问题进行早期诊断。世界各地的专家都可以使用此系统为客户诊断、识别，以及提供最佳的植物管理实践建议。DDIS 的存档数据库和媒体库是科研、培训、教学的良好资源。

虫害、植物病害的潜在威胁可能对我们的农业和食品供应造成严重的破坏。该网络诊断系统可以提高我们在检查、监测、测绘等方面的工作能力，还能早期检测出那些高致病性植物病原体以防其进入农业和自然生态系统。

南部植物诊断网络 (SPDN): www.sepdm.org
 全国植物诊断网络 (NPDN): www.npdn.org
 加勒比区域诊断网络 (CRDN): crdn.ifas.ufl.edu
 国际植物诊断网络 (IPDN): ipdn.ifas.ufl.edu



DDIS: 通过培训、早期检测、准确诊断来保护农业。



流程



设备



数据样本

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