



Use of a Multi-functional Copier as a Diagnostic Tool

Gail Ruhl, Purdue University, Department of Botany and Plant Pathology

Purchase a color copy machine that functions not only as a copier but also as a FAX machine and scanner that sends e-mails with attachments of color scans to networked individuals?

I must admit that the thought was daunting and I was skeptical at first! Wouldn't all of those functions on one machine increase the odds of something going wrong? Would this really save time? The answer is –it has not had a major problem in two years and “yes”, it has saved time.

Although we still take images of samples,

forward samples to specialists and summon specialists to the lab to see samples that cannot leave the lab due to size or permit specifications, when pressed for time, this multifunctional piece of office equipment simplifies my life by allowing me to scan in the submission form, accompanying information and the sample exhibiting symptoms and e-mail the scans to colleagues for assistance in diagnosis. Naturally we augment with digital images for those samples, such as fruit, that require 3-D, however I have found that even bulky samples, such as corn stalks and branches may be scanned successfully for image diagnostics, a function particularly useful on a Friday afternoon. ☺

Many different types of multi-function machines exist that scan in color , however, having a networked machine, such as our Toshiba e-studio 2830, makes it easy by sending the scan directly to an email address and allowing the user to choose the format (PDF , JPG, etc.) as well as a range of resolutions. 🍃

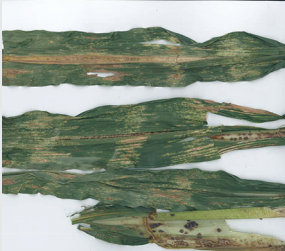
Did you know?

All Diagnostic Tips are archived separately on the NPDN website. Visit www.npdn.org and click on Diagnostic Tips in the left navigation column

Nucleic Acid-Based Pathogen Detection Workshop

Paul Vincelli, University of Kentucky, Department of Plant Pathology

A hands-on workshop for applied plant pathologists on nucleic acid-based pathogen detection will be held at the



Scans of samples forwarded along with submission forms and background information to colleagues for their diagnostic input. Clockwise from bottom left: root compaction-soybean; *Physoderma*

brown spot-corn; unknown foliar symptoms-soybean; stalk rot associated with top dieback-corn; nutritional imbalance-corn; leaf scorch -possibly *Xylella*-maple; tar spot-silver maple.