System For Detection Of Disease In Plants

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The Invention

These inventors have recognized that various diseases in plants, such as Phytophthora infestans (late blight) and Alternaria solani (early blight), and/or various stages of such diseases in plants, can be reliably detected by applying measurements from electromagnetic reflections detected from a plant in a model to produce an output indicating a probability of the disease and/or stage. In one aspect, coefficients can be applied to each measurement at each wavelength to emphasize identification of a given disease or stage. In another aspect, an imager can capture images comprising spectral pixels in which each pixel comprises measurements from the electromagnetic reflections for application in a model to identify a given disease or stage.

Additional Information

For More Information About the Inventors

- Amanda Gevens
- Philip Townsend

Tech Fields

- Animals, Agriculture & Food : General agriculture technologies
- Animals, Agriculture & Food : Plant biotech
- Animals, Agriculture & Food : Plant health

For current licensing status, please contact Emily Bauer at emily@warf.org or 608-960-9842