



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](#)

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