OPTICAL SENSOR ADVANCEMENTS IN LATIN AMERICA

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ABSTRACT

Active optical sensors have been demonstrated as effective tools for real time, site specific nitrogen management. Crop yield, N use efficiency, and economic returns have all been shown to increase after implementing a sensor-based N management strategy. Most of the work to date has been conducted in the USA; however, the technology has been investigated more recently in other regions including Latin America. This presentation will provide an overview of optical sensor technology, research and calibration studies from several countries, and strategies for delivering the technology to the farm level.