

CI-600

In-Situ Root Imager

TOOLS FOR AGRICULTURE GRANT

As our global population grows, and continues to demand higher quality food, farming has never been more important. Yet the challenges facing farmers are increasing at an exponential rate, from drought to disease. CID Bio-Science designs and manufactures tools that allow the agricultural researcher to begin to understand these obstacles on a deeper level—providing usable data through portable, durable plant measurement tools.

The **CI-600 In-Situ Root Imager** enables agricultural researchers to capture non-destructive, high resolution, digital images to observe the development and function of a plant's root system. Images obtained with the CI-600 provide agricultural professionals with important information about the root health and development of their crops. Root response to new treatments or environmental stresses can be imaged immediately, providing real-time feedback of root behavior. Establishment and

rooting of new crops can be tracked throughout the growing season non-destructively using root imagers. Used as a diagnostic tool, images of roots generated by the CI-600 can act as an early detection system for plant pathogens and disorders.

Our goal is to make our instrumentation line more accessible to farmers and to better understand the needs of agricultural researchers using our tools.



Grant Guidelines

- A \$10,000 grant credit towards purchase of CI-600 In-Situ Root Imager to be used in agricultural applications
- Electronic submission only to info@cid-inc.com with subject line: **Tools for Agriculture Grant Application**

Eligibility/Requirements

- Organization or company must be agricultural business, or:
- Researcher must be focused on applied agriculture
- Successful grantees must submit mandatory **Final Report** to CID Bio- Science within 1 year from date of instrument delivery

Final Report

- Four project reports (one per quarter) over the course of the first year of instrument use including the following information: summary of types of plant being examined, what is being compared, what is being evaluated, feedback on the utility of the instrument
- Copies of root images collected with device
- Photos of instrument with users in the field
- Promotion of instrument within grantees agricultural network



Grant Application

Contact Information

First and last name:

Are you the primary contact for this project? Yes No

Company/Organization/Agency:

Department:

City:

Street:

Zip Code:

State:

USA

Canada:

Business Overview

What type of farm or agricultural organization is your business, or if you're an academic or government researcher, please describe how your work is related to agriculture?

What commodities do you grow or work with?

Describe the primary functions of your business:

Essay Portion

Why do you want to purchase a CI-600 In-Situ Root Imager?

How do you plan to integrate the CI-600 In-Situ Root Imager into your work?