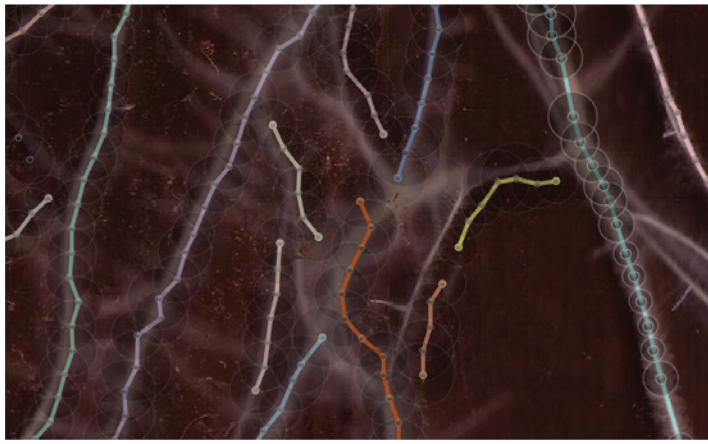


# CI-690 RootSnap! Root Image Analysis Software





RootSnap!© removes hours of tedious tracing by offering a revolutionary user interface that employs a multi-touch screen to easily trace roots using a finger. The software enables users to move quickly through root images to quantify root length, area, volume and diameter. The software has tracing enhancements like the "Snap-to-Root" function which automatically moves root tracing points to the center of the root. Additionally, RootSnap!© has integrated image enhancement features which enables users to optimize each scanned image for more accurate processing.

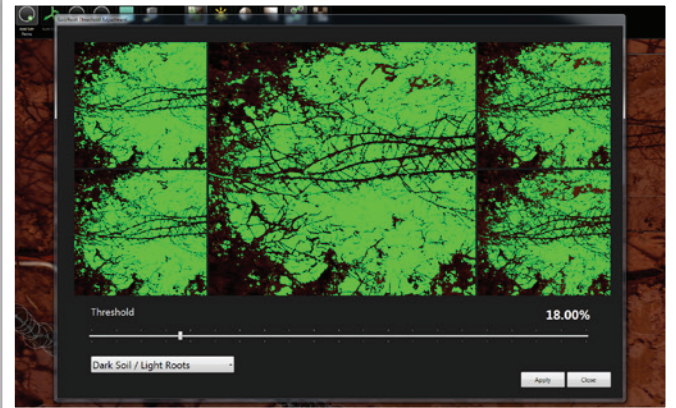
Monitor root growth, dynamics, taxonomy, morphology, and behavior over time with RootSnap!©. Simplify root mapping using the multi-touch screen and our proprietary "Snap-to-Root" functionality. The superior RootSnap!© user interface is intuitive and efficient. It uses familiar commands to manipulate images and files and stores information in common file formats (XML) and supports exporting data to Excel.

## Benefits

- ✓ Easy to use
- ✓ Map roots in quickly and efficiently
- ✓ Trace roots with a finger
- ✓ Easily manipulate images (colors, sharpness, contrast, etc.)
- ✓ Designed to work with Excel
- ✓ Monitor root growth, disease and behavior over time

## Features

- ✓ Measures length, area, volume, & diameter
- ✓ Intuitive user interface
- ✓ Multi-touch screen functionality
- ✓ Integrated image enhancement
- ✓ Automated "Snap-to-Root" functionality
- ✓ Comprehensive data analysis package
- ✓ Time series analysis
- ✓ Files stored in common formats



	C	D	E
	Length (mm)	Diameter, ave. (mm)	Area (mm^2)
1	30.028	1.5133	142.75
2	21.8573	1.7229	118.30
3	20.3279	1.037	66.22
4	19.3085	1.024	62.11
5	72.2597	1.3022	295.62
6	5.3201	1.7943	29.98
7	5.0751	1.3172	21.00
8	12.3508	1.2356	47.8
9	43.7379	1.4485	199.02
	1022.4983	N/A	4160.94
	22.7222	1.2729	92.46

