

# Resource Summary Report

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## WinRHIZO

RRID:SCR\_017120

Type: Tool

### Proper Citation

WinRHIZO (RRID:SCR\_017120)

### Resource Information

**URL:** [http://regent.qc.ca/assets/winrhizo\\_software.html](http://regent.qc.ca/assets/winrhizo_software.html)

**Proper Citation:** WinRHIZO (RRID:SCR\_017120)

**Description:** Software toolbox for image analysis by Regent Instruments Inc. Used for root measurement in different forms like morphology, topology, architecture and color analyses. Automatically or interactively analyses washed roots.

**Resource Type:** data processing software, software application, image analysis software, software resource

**Keywords:** image, analysis, root, measurement, plant, morphology, topology, color, Regent Instruments Inc.

**Availability:** Available for purchase

**Resource Name:** WinRHIZO

**Resource ID:** SCR\_017120

**Record Creation Time:** 20220129T080333+0000

**Record Last Update:** 20260815T042732+0000

### Ratings and Alerts

No rating or validation information has been found for WinRHIZO.

No alerts have been found for WinRHIZO.

### Data and Source Information

**Source:** [SciCrunch Registry](#)

## Usage and Citation Metrics

We found 16 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [dkNET](#) .

Zhang H, et al. (2026) Tillage management practices in combination of plant growth regulators to improve root growth, lodging characteristics and maize productivity under semi-arid regions. *Scientific reports*, 16(1), 1809.

Lamlom SF, et al. (2026) Integrating morphophysiological traits with salt-responsive gene expression uncovers cultivar-specific tolerance mechanisms in faba beans facing NaCl stress. *Scientific reports*, 16(1).

Ochar K, et al. (2026) Quantitative analysis of root system architecture and fresh weight biomass traits highlight phenotypic variation in radish (*Raphanus sativus* L.) germplasm. *Scientific reports*, 16(1).

Euler MF, et al. (2026) *Heterodera schachtii* enolase does not elicit canonical immune responses in *Arabidopsis thaliana*. *Scientific reports*, 16(1).

Das A, et al. (2025) Genome-wide association study reveals putative candidate genes in cucumber (*Cucumis sativus* L.) associated with shoot and root system architecture traits under water stress conditions. *BMC plant biology*, 25(1), 1260.

Li Y, et al. (2025) Differential effects of exogenous VOCs on the growth and stress responses of *Cunninghamia lanceolata* seedlings under low phosphorus. *BMC plant biology*, 25(1), 299.

Wang SW, et al. (2025) RGF Gene Family Analysis and Functional Evidence for RGF8-Mediated Salt Stress Tolerance in Brassica Species. *Biology*, 14(3).

Sacharow J, et al. (2024) *Acanthamoeba castellanii* alone is not a growth promoter for *Hordeum vulgare*. *Access microbiology*, 6(8).

Islam MS, et al. (2024) Identification of Quantitative Trait Loci Controlling Root Morphological Traits in an Interspecific Soybean Population Using 2D Imagery Data. *International journal of molecular sciences*, 25(9).

Hufnagel B, et al. (2024) Multi-trait association mapping for phosphorous efficiency reveals flexible root architectures in sorghum. *BMC plant biology*, 24(1), 562.

Singh V, et al. (2021) Genotypic Variability in Architectural Development of Mungbean (*Vigna radiata* L.) Root Systems and Physiological Relationships With Shoot Growth Dynamics. *Frontiers in plant science*, 12, 725915.

Scudeletti D, et al. (2021) *Trichoderma asperellum* Inoculation as a Tool for Attenuating Drought Stress in Sugarcane. *Frontiers in plant science*, 12, 645542.

Griffiths M, et al. (2021) A multiple ion-uptake phenotyping platform reveals shared mechanisms affecting nutrient uptake by roots. *Plant physiology*, 185(3), 781.

Duan B, et al. (2021) 1-Aminocyclopropane-1-Carboxylate Deaminase-Producing Plant Growth-Promoting Rhizobacteria Improve Drought Stress Tolerance in Grapevine (*Vitis vinifera* L.). *Frontiers in plant science*, 12, 706990.

Jochum MD, et al. (2019) Bioprospecting Plant Growth-Promoting Rhizobacteria That Mitigate Drought Stress in Grasses. *Frontiers in microbiology*, 10, 2106.

Lu J, et al. (2018) Phenotypic changes and DNA methylation status in cryopreserved seeds of rye (*Secale cereale* L.). *Cryobiology*, 82, 8.