



# WinSEEDLE™ Features and Measurements

WinSEEDLE™ measurements data are automatically produced on an individual basis (per seedle) and globally (total or average value for the analysed set).

Data are shown on screen during the analysis and are saved to standard ASCII text files that can easily be opened from many types of programs (like Excel) for data visualization and analysis.

## Individual measurements

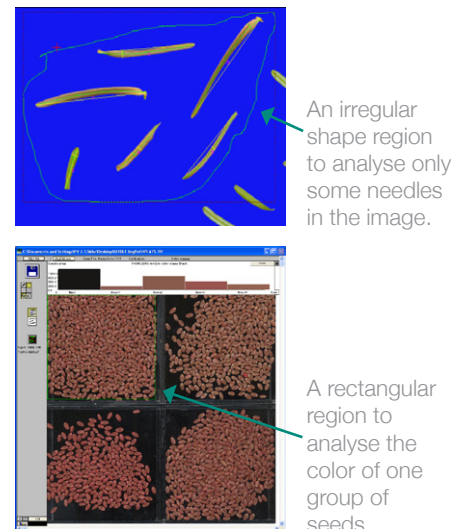
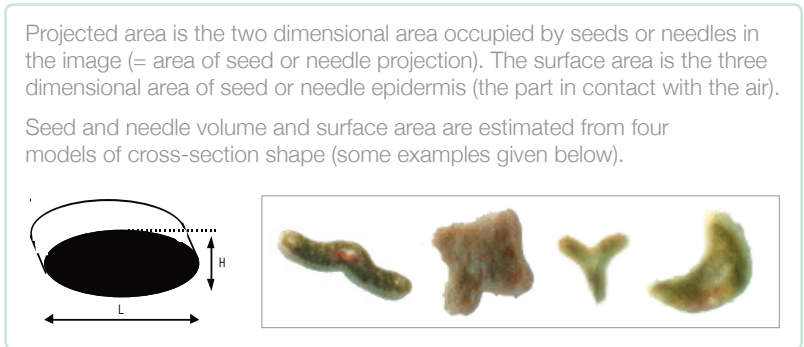
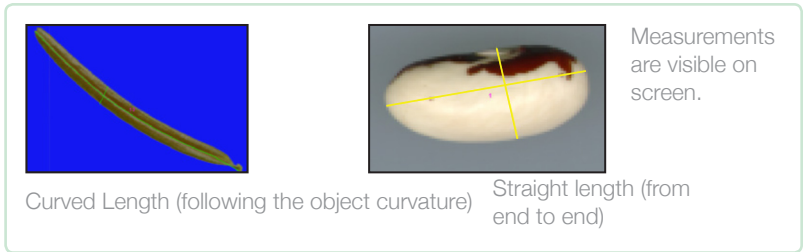
- Straight and curved length
- Maximum width
- Curvature
- Perimeter
- Projected and surface area
- Volume (estimated)
- Disease areas quantification (Pro version)
- Color classification (Pro version)
- Interactive length (done manually by the operator)
- Form coefficient

## Global measurements and average values

- Average length (straight and curved)
- Average maximum width
- Average curvature
- Average projected and surface area
- Total projected and surface area
- Average volume
- Seedle count
- Total disease areas
- Total area per color or group of colors

## Other Features

- Analyse whole images or their sub-regions. Sub-regions can have any circular, rectangular or irregular shape made with the lasso tool. You can create practically an unlimited number of sub-regions and resize them at anytime.
- Exclude regions of the image from the analysis.
- Batch scanning and analysis to scan and store images on disk and analyze them later interactively or without supervision.
- Automatic filtering of defects and debris based on shape (Reg & Pro) or color (Pro).
- Interactive image edition with any color present in the image or defined by users to remove artefacts or debris.
- Information about the dominant color class (area, hue, saturation intensity, and class name) saved with the data (Pro version).
- Available for Windows based computers (Windows 7 to 11, 32 or 64-bit).
- WinSEEDLE™ is updated regularly and includes printed and pdf color manuals abundantly illustrated and a prompt and competent after-sales technical support by e-mail.



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