

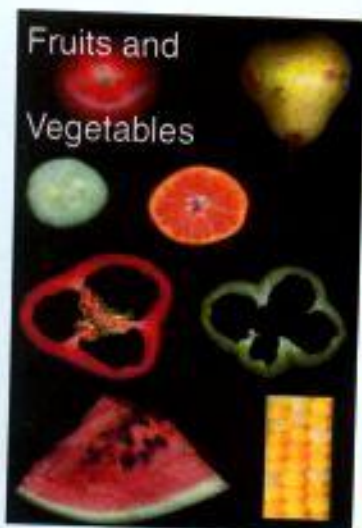
WinCAM

Color Area Meter

CAM for Windows (98, NT, XP, ME or 2000, WinCAM) or Macintosh (MacCAM) is a color area meter that quantifies the area of colors that falls into user definable ranges. It measures the disease areas on fruits, leaves, flowers or any other material that shows a minimal color contrasts. CAM is very sensitive and can detect very small color differences. Its interactive design makes it very easy to use. CAM also allows you to measure any object length and diameter manually.



CAM can classify seeds based on their color.



Fruits and Vegetables



CAM measures the area covered by grass or grass diseased areas.



CAM measures the area covered by red and green peppers on this aerial image.



Flowers



Original image of scanned leaf.



Image of leaf with pixels classified into one of the four color classes defined beside.



Colors to be quantified are shown to CAM by the operator simply by clicking in the image. Pixels are classified as a function of their color into one of these classes. Classes can be grouped (for example, the non-disease area may include green and yellow colors). Special processing is provided for pixels not belonging to any class.

CAM works with optical scanners, digital cameras or tiff image files. Measurement data are saved in text files that can be read by most data analysis or spreadsheet style programs (like Excel).

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