

Black Spot Leaf Area Calculator

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About Black Spot

We introduce **Black Spot Leaf Area Calculator**, a free software package for rapid and automated estimation of leaf area using digital images of leaves taken with standard off-the-shelf flatbed scanners. Digital images of leaves in *.jpeg* format can be batch processed using the Black Spot software, which carries out pixel based classification. The output provides the user with estimates of leaf area and output images sufficient for the user to check for errors in image classification. Black Spot was developed with financial support from the Rufford Small Grants Foundation and National Centre for Biological Sciences.

Links

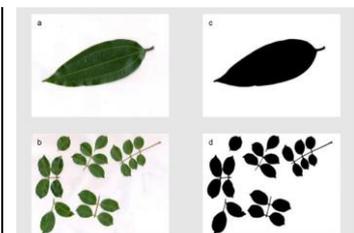
Learn more about Black Spot: <http://www.ncbs.res.in/blackspot.html>

Download Black Spot: <http://sourceforge.net/projects/blackspot/>

Download Black Spot User's Manual: http://ncbs.res.in/sitefiles/Black_Spot_User_Manual.pdf

Sample output

Image_name	exif_found	Scanner_brand	px_resolution	Leaf_pixels	Leaf_area_sq_cm	Error_Message
C-0001 OLE DIA2.jpg	Exif info found	Canon	300	1602919	114.904358	OK
C-0002 DIM LON1.jpg	Exif info found	Canon	300	3076857	220.5627847	OK
C-0002 DIM LON10.jpg	Exif info found	Canon	300	2029008	145.4483113	OK
C-0002 DIM LON10_0001.jpg	Exif info found	Canon	300	2046613	146.7103159	OK
C-0002 DIM LON2.jpg	Exif info found	Canon	300	3284529	235.4496366	OK



Sample output data: Black Spot outputs leaf area data in comma separated value (csv) format, which can be opened in any spreadsheet software or statistical software.

Sample output images: For every leaf image analysed, Black Spot generates an image mask for comparison and error checking

Contact us

For user support, reporting bugs and other queries please write to: blackspot [at] ncbs [dot] res [dot] in