Computer Applications

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Image Processing & Analysis in Java



The first step is opening the image: Go to File >> Open >> Brows then double click to



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Scale the measurements: Draw a line between 1-2 cm >> go to Analyze >> Set scale



Select the leaf area by free selection tool >> go to Edit menu >> Clear out side



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Thresholding image: Go to Image menu >> Adjust >> Color threshold



Computer Applications

Estimating leaf spot percentage

- After press select button, the selected area may includes some noise (unwanted selections). We can
 - clean that by Selection brush tool (right click on Oval tool). The selected area should be as below:



Go to Analyze >> Measure or Ctrl + M to calculate the total leaf area



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In the same way (by color thresholding) we have to select the damaged areas.



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✤ To threshold the spots we have to invert selection by un-check Pass check box of the Hue control box.



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