

1125-H5-2727 **Jody Sorensen*** (sorensj1@augsborg.edu), Mathematics and Statistics, 2211 Riverside Ave.,
Augsburg College, Minneapolis, MN 55454. *A Surprising Use of Technology to Find Leaf Area.*

When getting students to think about how to calculate area in Calculus II, one unusual piece of technology I use is a LI-COR portable leaf area meter. This machine is designed for scientists to find the areas of leaves when studying photosynthesis and carbon uptake. Students calculate the area a few different ways and compare results. After discussing this example, I'll also talk about how we are reducing the use of graphing calculators in our Calculus labs, and using more online tools like Desmos. (Received September 20, 2016)