

**Mississippi State University**  
**Notice of Proposed Sole Source Purchase**  
**234-54**

Mississippi State University anticipates purchasing the item(s) listed below as a sole source purchase. Anyone objecting to this purchase shall follow the procedures outlined below.

**1. Commodity or commodities to be purchased (make, model, description):**

LI-600PF (Porometer/Fluorometer)

**2. Explanation of the need to be fulfilled by this item(s), how is it unique from all other options, and why it is the only one that can meet the specific needs of the department:**

Understanding stress in plants can be a complex task that is influenced by various environmental and biological factors. The LI-600 Porometer/Fluorometer is a reliable instrument that combines the functions of a porometer and a fluorometer to accurately measure stomatal conductance and chlorophyll fluorescence within seconds. The LI-600 is compact porometers with Pulse-Amplitude Modulation (PAM) fluorometers that simultaneously measure stomatal conductance and chlorophyll a fluorescence over the same leaf or needle area. It has built in Photosynthetically Active Radiation (PAR) sensor measures ambient light and Infrared leaf temperature with each measurement, internal bar code scanner, the instrument must contain internal Lithium/Ion batteries for 8 hours of nominal operation. A GPS receiver tracks location and an accelerometer/magnetometer records data needed to calculate a leaf's angle of incidence to the sun. Specifically designed for efficient plant stress evaluations, the LI-600 offers the speed and precision that plant physiologists require in their work.

**3. Name of company/individual selling the item and why that source is the only possible source that can provide the required item(s):**

LI-COR Biosciences is located in Lincoln, Nebraska, USA. Products and scientific results from LI-COR Biosciences instruments are well accepted in the scientific community.

**4. Estimated cost of item(s) and an explanation why the amount to be expended is considered reasonable:**

Estimated cost \$14,125.00

**5. Explanation of the efforts taken by the department to determine this is the only source and the efforts used to obtain the best possible price:**

To the best of our knowledge this is the only manufacturer we could find, and this is the market price for this item.

Any person or entity that objects and proposes that the commodity listed is not sole source and can be provided by another person or entity shall submit a written notice to:

Don Buffum, CPPO  
Director of Procurement & Contracts  
[dbuffum@procurement.msstate.edu](mailto:dbuffum@procurement.msstate.edu)  
Subject Line must read "Sole Source Objection"

The notice shall contain a detailed explanation of why the commodity is not a sole source procurement. Appropriate documentation shall also be submitted if applicable.

If after a review of the submitted notice and documents, MSU determines that the commodity in the proposed sole source request can be provided by another person or entity, then MSU will withdraw the sole source request publication from the procurement portal website and submit the procurement of the commodity to an advertised competitive bid or selection process.

If MSU determines after review that there is only one (1) source for the required commodity, then MSU will appeal to the Public Procurement Review Board. MSU will have the burden of proving that the commodity is only provided by one (1) source.