Cellulosic ethanol represents a major advance in biofuels. ISU Extension is supporting the first cellulosic producer, POET Bio-refining, Inc., in its startup at Emmetsburg, Iowa. Measurement of biomass quality and quantity will be an important element of biomass marketing programs. This project will utilize very recently developed imaging technology to develop a protocol for onsite measurement of biomass factors important to fermentation – cellulose, hemicellulose, lignin, protein, moisture. ISU OBP has indicated desire to assist with funding and development of this project. IGQI funds represent a startup allocation.

The details of this project have not yet been developed; these funds will be held or reallocated to other projects if unsuccessful.