

**Title:** Validation of Walnut Moisture Content through Improved Measurement Method

**Client Information:**

Fedora Walnut Farms is a mid-sized walnut company located in Sutter County

**Problem Statement:**

Industry standard for walnuts moisture content was established as 8% - is there a more rigorous way to establish this number? Fedora believes the number to be originally established by Diamond Food Company in 1970's through power over the FDA. No Study has validated this number since that time. Now that technology in measuring walnut moisture content along the pipeline has improved, Fedora is interested in understanding how to harness that data to verify or establish a new number.



**Student Activities Requested:**

- Validation study of 8% since the original 1970's study
- Research methodology development
- Technology research to understand what can be used to verify moisture content value