

About AgriChem, Inc

AgriChem is an agricultural engineering company that develops products for monitoring and altering moisture content in grain. They specialize in the production of a chemical called Grain Prep which is designed to facilitate the addition of moisture back into grain and to aid in grain digestion for livestock. AgriChem also produces and distributes the sensors and digital interface for monitoring the moisture content of the corn and the distribution of Grain Prep to the system.



My Primary Jobs

- Simple electrical testing, diagnostics and fine tuning of sensors prior to delivery
- Designing, machining, and testing prototype sensor parts
- Help construct and modify a trailer for onsite tests
- Aid in the construction of a batch corn drier and water/chemical additive trailer
- Running tests on current and prototype sensors using the finished batch corn dryer
- Doing surface mount soldering and aiding in the construction of circuit boards for modified tests



What I Learned

- How to design items that can be easily machined and constructed
- A better understanding of electrical systems
- How to drive a forklift
- To use the CAD program Alibre
- First hand experience of bring a design from concept to product
- How to use shop tools including
 - Welder
 - Lath
 - Mill
 - Various other cutting and machining tools

