

## CASE STUDY:

### REIC SPECIALTY CONTROLS HUMIDITY IN FOOD / AGRICULTURAL STORAGE FACILITIES ACROSS THE MIDWEST

**Location:** Illinois + **Industry:** Food Manufacturing & Storage

**Equipment:** Desiccant Dehumidifiers - Eight - 5,000cfm units  
\*Dehumidifiers varied between electric, LP & NG

**Illinois** –Facing continually high humidity levels in several facilities, the plant managers of a national agricultural storage company convened to discuss the issues. Their primary business goal involved storing agricultural products for long periods. Based on their data, the high levels of humidity were shortening the viability of their products – and revenue!

**Protecting Food Storage and Revenue** - The stored items typically maintain a lifespan of more than five years. The current humidity levels inside the storage facility were so high that it was degrading the products and they would be lucky if the items lasted three years. All of the storage facilities contained commercial grade HVAC systems, and they monitored conditions closely, but their data and computer modeling indicated they needed help..



**Proving Dehumidification Helps** - A past customer of ours spoke with one of the Facility Managers at this company and recommended REIC. After a brief discussion, REIC had a 5000 cfm dehumidifier on site. The unit was installed and soon dry air entered a portion of one building. Within 24 hours the humidity dropped markedly, and data indicated that conditions were within the climate parameters needed to ensure long term viability. The single facility was a test and REIC just passed.

**Rental Equipment Quickly** - Within one week of the initial test, eight 5000 cfm desiccant dehumidifiers were installed in four different agricultural facilities in Illinois and other areas in the Midwest. Each facility had similarly sized storage areas but had different fueling availability. The variety of rental dehumidifiers REIC owns helped, with electric, natural gas or LP used on different sites. Regardless of fuel, the dehumidifiers provided ample air changes and lowered humidity below required limits.

**Humidity Control Proven Again** - The agricultural company was thrilled with the results and the dehumidifiers remained on site throughout the season. While the operations team is considering permanent solutions in some locations, REIC has already been told to prepare the dehumidifiers for a return at a few locations.