



## CASE STUDY: East Lynn Fertilizer

Hoopeston, Illinois

### Optimizing Versatility & Ventilation

#### Executive Summary

As a family-owned and operated business, East Lynn Fertilizer sought a quality storage solution – crafted to withstand fertilizer’s highly corrosive properties – at a reasonable cost. The company needed a structure that was customizable, allowing enough space to accommodate conveyors, large vehicles, and on-site personnel.

Located on the rail line in East-central Illinois, Calhoun ensured that the building was fully tailored with the dimensions and structure style needed to meet East Lynn’s unique requirements, which included an office space.

#### Calhoun's Solution

Overall, customizability and cost-efficiency remained top priorities for the customer. Calhoun engineers included a customizable leg height, a vertical mixer, and an office space inside the building for personnel to closely monitor activities on-site. To combat the primary concern of corrosion, Calhoun included hot-dipped galvanized steel frameworks to avoid the pitting, rust and damage traditional storage buildings commonly suffer.

*"Calhoun included four gravity vents on both ends of the structure to create and maintain airflow within the building, creating a cost-effective and reliable storage with optimized ventilation."*

*-Kieth Allen, East Lynn Fertilizer*

East Lynn Fertilizer is a family-owned and operated business located in East-central Illinois, near the Indiana border. East Lynn fertilizer helps feed our world through fertilizer production, as fertilizer is an essential component for agricultural production.

#### Project Profile

##### Size:

150' x 260' VPr Series with 20' centres

##### Fabric:

White Elite non-FR Keder Panel Fabric System

##### Site Parameters:

20 psf ground snow load & 105 mph wind speed

##### Mount:

20' Steel Leg

##### Additional Information:

One end closed; one end with 20' x 20' fabric gather door



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