

# AGRILAND FS WOODBINE

CASE STUDY

 BULK STORAGE  
APPLICATIONS



BUILDING NAME

**Agriland Woodbine**

LOCATION

**Woodbine, IA**

MARKET SECTOR

**Bulk Storage**

APPLICATION

**Fertilizer Storage**

SIZE

**48 ft x 103 ft + 84 ft x 80 ft  
+ 129 ft x 60 ft (19,404 sq ft)**

SPECIAL FEATURES

**Building with multiple lean-tos**

INSTALLATION

**Legacy in-house crews**



**AGRILAND FS, INC.** is a farmer-owned cooperative that provides agricultural products directly to farmers. After several years working from a leased building, Agriland FS determined the need to add a permanent fertilizer storage building at their Woodbine, Iowa, location. The new building would be used for storing, mixing and distributing fertilizer. “We needed a building we could adapt,” said Curtis Hoakison, procurement manager. “Having everything contained in one facility was easier than trying to add another part to an existing building.”





Thanks to several other Legacy buildings in Iowa, Agriland FS had experience with the design options, natural light and building quality, as well as the construction management process. As part of the due diligence process, Agriland FS contacted Legacy and another building manufacturer to compare quotes for building price and construction time.

“We were working on a very aggressive timeline,” said Hoakison. “We bought the land in February, and we needed to be operational early in the fall.” When the other company couldn’t promise that the building would be useable by the timeline, Agriland FS finalized the decision to use a Legacy building.

After consulting with Agriland FS and studying the available parcel of land, Legacy proposed a three-tiered building design. The main cavity of the building uses pre-cast concrete panels to create fertilizer bins. A trough in the center of the building contains hoppers and loading equipment. The third area of the building is outfitted with overhead doors on either end to create a drive-through area for trucks and loaders.

Agriland FS quickly saw the benefits in Legacy’s building design. “It was a great idea that allowed us to save space and not have wasted space,” said Hoakison. The existing relationship was also beneficial. “Legacy is always on the ball and very transparent with prices and timelines.”

The building design gives Agriland FS over 19,000 square feet of clearspan storage area, which means space for storing, mixing and loading fertilizer. All steel framing members are hot dip galvanized, which protects the building from the corrosion effects of fertilizer. A transloading conveyor suspended from the frame loads the storage bays from trucks.

**“The ability to use natural light is great. We do have lighting installed in the building, but we don’t need it during the daytime.”**

White ExxoTec™ Elite PVC fabric covers the entire building. ExxoTec™ does not corrode in the presence of fertilizer, and it allows natural light into the facility – saving on the time and money spent installing and maintaining electrical lighting. “The ability to use natural light is great,” said Hoakison. “We do have lighting installed in the building, but we don’t need it during the daytime.”

With the new facility in place, Agriland FS is able to quickly serve retail customers. Using the innovative building design allows the company to meet their need of multiple operations contained in one facility. The continuing partnership between Agriland FS and Legacy will likely result in future expansions as required by business needs.