

Seize The Opportunity To Scale Up

Nutrien Ag Solutions
Biggsville, Illinois



5 REASONS TO LOVE THIS FACILITY

1 ROUND THREE

General Manager Jamie Orr and team previously worked with AGI Fertilizer Systems on two smaller-scale facilities in Galva, Illinois, and Macomb, Illinois.

2 FOCUS ON EFFICIENCY

The key goals for the dry fertilizer rebuild were to increase automation, relieve pressure points on labor needs and increase storage capacities. This project consolidated two retail facilities.

3 HIGH THROUGHPUT

The most productive day in 2020 included moving 1,700 tons of fertilizer through the receiving system and loading out 1,500 tons through the declining weight blend system.

4 THE FAST LANE

The fastest-paced day in 2020 was loading 120 trucks.

5 CLOSE CONTACT

A custom hybrid of AGI Sure-track Plant Manager software allows anyone to enter orders from any location for specific reporting that is needed. Maintenance reminders are emailed until work is completed.

PHOTOS: AGI FERTILIZER SYSTEMS



DUAL OVERHEAD

To pair with the declining weight system, the team chose dual 30-ton overhead weigh hoppers. These can fill a truck in less than one minute. The driver gets a legal-for-trade scale ticket for leaving the site.

CONVEY FOR TRANSFER

The AGI Fertilizer Systems industrial tripper is staged and ready to unload fertilizer. The tripper runs on troughing rollers. The tripper conveyor loading the fertilizer shed is a 30" belt that is rated at 250 tons per hour.

MADE TO FIT

In selecting troughing or slider conveyor design, AGI's team asks three questions: building lengths, tons per hour and how many times per year will they turn the building.

CHOSEN FOR AUTOMATION

The 330-ton-per-hour declining weight blend system with eight 20-ton hoppers, two 3-ton micro hoppers and two impregnation systems are controlled via the AGI Suretrack Plant Manager truck traffic control system.

SWITCHBACK FOR SAFETY

The truck receiving system unloads at 250 tons per hour. Galvanized support structure with switchback stairs were used instead of a ladder to ensure safety of staff and encourage maintenance execution.

Do you have a top facility you want featured? Email meckelkamp@farmjournal.com

Tour all the facilities: TheDailyScoop.com

