

Capacity With Accuracy That's Second to None

Meadowland Farmers Co-op
Echo, Minn.



TRUCK OR RAIL RECEIVING

A 250-ton-per-hour receiving system can quickly unload trucks or train cars supplying raw materials used in the production process. A 20-ton truck can be unloaded in under five minutes.

TRUCKS NEVER WAIT

Price says the traffic flow is now even because when there are trucks for pickup, they go right through to get loaded. The high-speed blending tower allows loading of over a hundred 20-ton trucks a day.

BLENDING TOWER

A blending tower with an 8-ton, twin-shaft horizontal mixer that can mix and discharge a fertilizer batch in under 30 seconds.

STRONG START

GSI project engineer James Krist says speed and ease of use make this tower great. It holds 300 tons of storage on the tower, so crews can fill it at the beginning of the day to gain a head start.

REAL-TIME UPDATE

The team uses TrackIt on all trucks, so the plant can see where every tender semitruck and every floater is, then coordinate logistics accordingly.

HIGH CAPACITY

Krist says Meadowland needed a large-scale blend tower prioritizing speed. Along with the 8-ton horizontal mixer and two 8-ton weigh hoppers, the team can move trucks at any pace.

SMOOTH SYSTEM

This tripper conveyor is part of the Echo facility's receiving system, used to discharge raw materials into the operation's eight storage bins.

5 REASONS TO LOVE THIS FACILITY

1 ADDRESSING A NEED

This site joined the Meadowland network via acquisition in 2023; an upgrade was needed for more warehouse space and speedy blending.

2 GROWING NETWORK

Meadowland's network has 10 agronomy sites and five hub plants totaling 100,000 tons of fertilizer storage. This location has 26,000 tons of storage and a 25-mile service radius.

3 PRIME PROXIMITY

The No. 1 need for this site was more storage. Ralph Price, Meadowland Farmers Co-op agronomy manager, says because of its distance from the fertilizer supply chain pickup points, it needs to take a position and have tons on hand.

4 STANDOUT FEATURES

The co-op's last major fertilizer warehouse project was 10 years ago, and the GSI tower wasn't common in that area. The team was impressed by the equipment quality, the capacity and the blending accuracy.

5 BETTER BLENDING

For spring applications, the team does a lot of impregnation with dry fertilizer. They say blend accuracy is second to none with a GSI tower.

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PHOTOS: SAM SKJEFTJE AND GSI