

Turn Up The Volume

Landus
Bayard, Iowa



5 REASONS TO LOVE THIS FACILITY

1 This plant acts as a Landus retail and wholesale location as well as a warehouse for other partner companies' products.

2 The anhydrous ammonia setup includes 84,000-gal. capacity bulbs with rail unloading capabilities, two truck loading stations and two nurse tank risers.

3 In all, 24,200 tons of dry fertilizer storage is split between 12,000 tons in each dome and 200 tons overhead in the tower. Ranco receiving equipment provides rail and truck unloading capabilities at 800 tons per hour and loading capabilities at 250 tons per hour. The Waconia tower has three 50-ton bins; two 25-ton bins, 12 5-ton scale; dual 12.5-ton vertical mixers; and direct load spout.



4 Liquid fertilizer capacities include a 1,500,000-gal. UAN tank with rail unloading capabilities. Five tanks for starter fertilizer products total 49,200 gal.

5 The heated chemical shed features 30,500-gal. bulk crop protection storage across nine tanks. In the off-season, the co-op's crew will prefill shuttles to take advantage of better product pricing and free up bulk tank space.



DOUBLE DOMES

The domes have capacity for 120 railcars of fertilizer each. Bulk head openings allow for payloader access to feed the in-ground Ranco pit. There's room to expand with two more domes.

FIVE-TANK FLEXIBILITY

The dual manifold systems can simultaneously load either lane with straight product or a custom product blend of UAN, starters and water at 500 gpm.

CORRECT QUANTITIES

Dual chemical stations are fed from the nine bulk crop protection tanks. Each side has its own floor scale. Plus, one side includes the weigh pot for chemical hot loading.

24/7 SELF-SERVICE

A Kahler human machine interface allows users to load preprogrammed liquid fertilizer orders. When looking at ticket times, plant operators have seen users pick up product as late as midnight and as early as 4 a.m.

IN COMMAND

The office in the fertilizer tower allows the plant operator to simultaneously track applicators, trucks, incoming orders and outbound loads and create bills of lading for outbound fertilizer shipments.

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PHOTOS: LANDUS

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