

FIELDALE FEED MILL



Owner

Fieldale Farms

Size/Capacity

100 tons per hour initial
150 tons per hour
future

Completion Time

16 months

Younglove's Services

- Conceptual design
- Structural engineering
- General construction
- Construction management
- Slipform concrete construction
- Equipment installation
- Tilt-up construction

Baldwin, Georgia

This feed mill for Fieldale Farms features 36,000-bushel-per-hour corn receiving; 300-ton-per-hour ingredient receiving; 150-ton-per-hour grinding system through three identical hammermills in a separate grinder room; 36 ingredient bins with 4,700 tons of storage; a 10-ton batching and mixing system, including two 12-bin micro systems; and three liquid scaling systems. The pellet mills are housed in a pelleting tower directly adjacent to the main mill tower, primarily to house future equipment and the counterflow coolers that were specified for this project. The fats coating utilizes a scale system for pellets and liquid addition. Screw conveyors with multiple discharges are used for pellet distribution. Loadout utilizes a dual driveway with shuttle conveyors and pitless truck scales at 300 tons per hour each. This feed mill has a total finished feed capacity of approximately 4,100 tons.

Additional features to the feed mill include 600,000 bushels of grain storage in six silos and two interstice bins, an extensive tank farm for ten liquids, two 50 hp air compressors, and one 400 hp fuel-fired boiler with two 200 hp electric boilers. One 6,000-pound freight lift is used to raise micro ingredients to the work floor and also access from the ground floor to the roof. Extensive site work related to earthwork, railroad track, subgrade, paving, water, and natural gas and sewer were also completed on this project, along with permitting for building and environmental issues.



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