

PILGRIM'S PRIDE FEED MILL



Owner

Pilgrim's Pride Corporation

Size/Capacity

90 tons per hour initial
180 tons per hour future

Completion Time

18 months

Younglove's Services

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

Natchitoches, Louisiana

This feed mill for Pilgrim's Pride features 35,000-bushel-per-hour rail receiving; 280-ton-per-hour truck receiving; one 70-ton-per-hour grinding system, with future space for one 70-ton-per-hour grinding addition in a separate grinding room; 22 ingredient bins with 2,875 tons of ingredient storage; an 8-ton batching system, including an 8-ton twin shaft mixer; one 20-bin microsystem; and metered liquids to the mixer. One current 90-ton-per-hour pellet mill and space for one future 90-ton-per-hour pellet mill are housed in a pelleting tower directly adjacent to the main mill tower to allow easy access for maintenance functions. The post pellet liquid application equipment utilizes a surge hopper on load cells, rotary feeder, CentriFlow® mass flow meter, micro motion meters, and a mist coater with blending conveyor to apply fat and enzymes to the pelleted feed. A screw conveyor and multiple distributors are used to deliver feed to the loadout bins. Loadout utilizes a single driveway with traveling weigh lorry system. The feed mill has a total finished feed capacity of approximately 2,550 tons in 16 bins.

Additional features include an 8-pack of 32-foot-diameter silos with a capacity of 639,000 bushels of grain storage and 1,900 tons of soy meal storage utilizing a Laidig unloader, covered tank farm for four liquids, two 40 hp air compressors, one 400 hp boiler with space for a second 400 hp boiler, 500-pound special purpose elevator, and fire protection system utilizing full mill fire alarm and fire sprinklers placed in strategic locations throughout the mill tower.

All ancillary structures are constructed of reinforced concrete tilt-up wall panels with concrete roofs.



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