

Hy-Line International

Location: Dallas Center, IA

Building Series: Legend® or Arch™

Building Sizes: (2) 40' W x 60' L; 40' W x 80' L

Application: Composting



Cover-All Buildings Ideal for Composting Processes

Hy-Line International is a multi-million dollar company whose primary purpose is the sole production, multiplication and distribution of leghorn genetics. At its Iowa facility in Dallas Center, Hy-Line chose to handle its hatchery by-product in a cost effective manner by combining it with field by-products, such as corn stocks and chicken manure, to create a compost product for resale. The composting process takes place in three Cover-All® buildings.

“The manure is moved from production at the end of the lay cycle and stored in three 40 foot wide Cover-All buildings,” says Travis Slusher, Production Manager. “The compost product is mixed and deposited in the Cover-All buildings for a month-long heating process before being moved to an outside concrete storage facility. The final product is then sold to landscapers, golf courses, and the agricultural industry for fertilizer.”

Hy-Line discovered the Cover-All® building technology from advertisements in various publications. “The interest was generated from my experience with steel sided structures in the livestock industry and how much they sweat throughout the changes in our seasons. Through our research we found that Cover-All buildings could be ventilated easier to eliminate the condensation factor. The other reason for using the Cover-All buildings was this is a temporary site and the structures are easily re-locatable. We are not locked into a long-term commitment on capital money here at this site,” says Slusher. “One of the other things we’ve been pleased with is the natural light that is inside the Cover-All buildings. Because most of our work is done during the day, we have no other light in these facilities which reduces the cost and need for electrical services in the buildings.”

Two 40' wide x 60' long Cover-All® buildings were positioned on six foot high pony walls, and a 40' wide x 80' long Cover-All® was positioned on eight foot high pony walls. Each building was designed with two foot side curtain walls on each side for natural ventilation. “The buildings are very airy. With the composting process, we have a lot of natural gases coming off the process itself which can easily corrode galvanized steel: The Cover-All buildings are much more conducive as the fabric itself doesn't degrade like a steel building would,” says Slusher.

It's been more than two years since they purchased their Cover-All® buildings and Hy-Line remains pleased with the investment. “Any concerns about wind load and snow load have been put to rest as they've seen the performance of the buildings under those conditions and have been very well reassured of the structures integrity,” says Slusher.



Hy-Line's composting process takes place in two 40' wide x 60' long Cover-All® buildings and one 40' wide x 80' long Cover-All® building.



The Cover-All® polyolefin fabric cover is not affected by the corrosive environment.



2' side curtain walls provide natural ventilation and eliminate condensation inside the building.



The clear-span design of a Cover-All® building allows ample room to operate machinery and establish compost windrows.

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