Cost: $18,032. This includes all baling, transportation, and storage costs of large square bales.

Separate shredding & windrowing operation followed by large rectangular baling.

Collected using a self-propelled automatic stacker wagon that stacks the bale automatically.

An average distance between the farm and storage of 8 km (5 miles) was used.

**BP 8000 Grinder - Vermeer**
- Main Motor Power: Up to 800 HP
- Pellet size: ¼" Diameter

**CLM 630N - MECCANICA**
- Main Motor Power: 160 – 200 kW
- Capacity: 12/18 (min/max, ton/hr)

**Model 7900 – CALIFORNIA PELLET MILL**
- Main Motor Power: Up to 800 HP
- Pellet size: ¼" Diameter
- 60% energy efficient
- 50 kW capacity
- 250 kW thermal capacity
- $250,000 (estimated)

- Currently larger scale operation/multiple farm investment
- Research for smaller scale is concurrent (1-10 kW)

**50 kW GE Steam Turbine**
- Hurst Boiler & Welding Co., Inc. - CAT # B-08
- Why use CHP?
  - Increased efficiency of energy conversion and use
  - Lower emissions to the environment, in particular of CO2, the main greenhouse gas
  - An opportunity to move towards more decentralized forms of electricity generation
  - High efficiency of avoiding transmission losses and improving flexibility in system use

**SD5-Stirling Engine from Stirling Denmark**
- 80% energy efficient
- 10 kW capacity
- 40 kW thermal capacity
- $100,000 for plant construction
- Input 24 to 32 pounds/hour

**MODEL 760 ROTO GRIND – SHENK LIVESTOCK**
- Price: $19,800
- Minimum HP of Tractor: 65HP
- Average HP: 80HP
- Grinder Weight: 3500lb
- Hitch Weight: 660lb
- Height: 8' 6" – Standard: 7' 6" – Low Profile
- Capacity: 5 to 30 ton/hour
- Capacity depends on the type of material, condition of material, how fine it is being ground, and the size of the tractor

**Concrete Silo**
- Hanson Company
- Cost 2/3 of steal
- Triple seal, ply vinyl door gaskets
- Compatible with all unloaders

**Steel Silo**
- Harvestore Company
- Material: glass-fused-to-steel sheets
- Capacity: 1000 tons

**Hansonsilo.com**
**http://www.shenklivestock.com**
**http://www.lameccanica.it**
**http://www.cpmroskamp.com/**