



DAIRY START-UP PROPOSAL

Owners: Lynn Johnson
Andrew Sakraida
Dana Nelson
Emily Puntney

- **Location:**
Boardman, Oregon
 - New milk market: Tillamook Creamery
 - Dairy-friendly atmosphere
 - Drier weather



- **Land**

- 270 acres
 - ? Enough to accommodate liquid manure
 - ? Land will be contracted out to grow corn silage for our dairy.



- **Cattle**

- 602 total head ,512 milking
 - 90 dry/sick cows
 - 452 Holsteins
 - 150 Jerseys
- 50% bought from existing milking herd
- 50% will be springer heifers
- Purchase will be spread over two months

- Average cost per cow
 - \$1250

- Heifers raised off-farm by a heifer raising operation. (Cost will be \$1/day/heifer.)

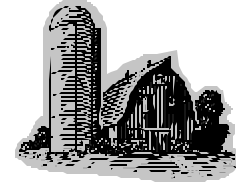
- **Milking Facilities**
 - Double 16 parallel milking parlor
 - Milking 3x/day, 4 hours/milking (128 cows/hr.)
 - 2 milkers/shift



- Cost and equipment
 - Parlor&Equipment (\$10,000 x 32 stalls) \$320,000
 - Milk Equipment (\$6,000 x 32 stalls) \$192,000
 - Crowd Gate \$15,000
 - Pre-Cooler \$20,000
 - Rapid Exit \$20,000
 - Milk Tank \$54,000
 - **TOTAL \$620,000**

- Cow Housing

- Milkers
 - 1 barn, 100ft x 572ft (\$528,000)
- Dry cows
 - 1 barn, 100ft x 200 ft (\$167,200)



NON-MILKING EQUIPMENT

- Horizontal TMR Feed Wagon
- Tractor
- Front end loader
- Gooseneck Stock Trailer
- Semi-truck



- Personnel

- 8 employees
 - 1 Manager
 - 4 Milkers
 - 1 Herdsman
 - 1 Assistant Herdsman
 - 1 Feeders
- Total Cost:



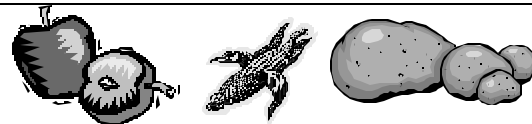
FEED MANAGEMENT

- Rations and Feeds

Commercial mix (18% protein)
 33 lbs./cow/day ? ? ? 70 tons/week (to be delivered)
 Storage Facility: 2 commodity sheds
 12'x36' bays

Corn and Grass Silage

25 lbs./cow/day ? ? ? Corn: 1,024 dry matter tons/year
 Grass: 624 dry matter tons/year
 Storage Facility: 3 horizontal bunkers (12'x60'x160')



- Rations and Feeds, continued

Alfalfa Hay
 10 lbs./cow/day ? ? ? 76 dry matter tons/month
 Storage facilities: 16'x32'x6' barn
 Seasonally, potatoes, apples, and onions will be added, so diet will be reduced accordingly.
 \$20,000 total for 2 commodity barns attached to a hay barn.

- Method and Equipment for Delivery
 - Mixing and dispersment of feed by a horizontal reel mixer TMR wagon.
 - Feed to be put into wagon by a front-end loader.
 - Front-end loader also to be used for pushing up the feed 4x/day.

MANURE MANAGEMENT

- Collection
 - Flush removal and separator system
- Storage
 - Holding pond for liquid storage
 - Storage structure for solid waste
 - Holds 180 days worth of waste

Manure Management, continued

- Disposal
 - Liquid will be dispersed over leased property.



- Solid waste to be trucked to a nearby nursery.

- Reproduction and Genetics
 - Artificial insemination, natural service if needed
 - Heat detection by use of K-MAR



- Professional Consultants
 - Banker/Loan Officer
 - Nutritional Consultant
 - Manure Management
 - Veterinarian

QUESTIONS

