DAIRY START-UP PROPOSAL

Owners: Lynn Johnson
Andrew Sakraida
Dana Nelson
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• 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

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

• Heifers raised off-farm by a heifer raising operation. (Cost will be $1/day/heifer.)
**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  ?  ?  1024 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 dispersion 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