DFA Ingredients
business overview
Plants

- Hughson, Calif.
- Fort Morgan, Colo.
- Garden City, Kan.
- Portales, N.M.
- Goshen, Ind.
- Adrian, Mich.
- Middlebury Center, Pa.
- Reading, Pa.
- Fallon, Nev.
- New Wilmington, Pa. **

** sweet whey powder
North American target customers

**Confectionary / Bakery**
- HERSHEY'S
- MARS
- BARRY CALLEBAUT
- Blommer Chocolate Company
- Nestlé

**Snacks**
- Frito Lay
- McCormick

**Beverage / Nutrition**
- Abbott
- Mead Johnson Nutrition
- Nestlé

**Cheese / Prepared Meal**
- Kraft Heinz
- Kroger

**Yogurt / Ice Cream**
- General Mills
- Unilever
Global target customers

- **China**
  - Wahaha
  - Want Want China Holdings Limited
  - Mengniu
  - Yili

- **SE Asia**
  - Vinamilk
  - Universal Robina
  - NutiFood
  - Lala

- **Latin America**
  - Nestle
  - Sabritas

- **Middle East / North Africa**
  - Developing

- **Sub-Saharan Africa**
  - Developing
Global reach
(2016 exports)

Canada: 9%
AMF, butter, cheese, condensed, cream, milk powders

Latin America: 59%
AMF, butter, cheese, condensed, cream, milk powders

Asia Pacific: 30%
Cheese, milk powders

Middle East & North Africa: 2%
Butter, cheese, cream, milk powders
Garden City
Garden City Overview
Garden City Profile

• 137 Acres Property
• Total Plant Size : 267,000 sq./ft.
• Fluid Storage:
  7 Raw Milk Silos – 490,000 Gallons
  2 Pasteurized Cream Silos – 60,000 Gallons
  5 Process Water silos – 350,000 Gallons
• Separation and Evaporation:
  4 Tetra Pak cold bowl separators  20K Gal/hr. each
    Run 3 separators during production
  3 HTST Pasteurizers - one on each Evaporator
    Two evaporators run during production
  3 Evaporators - each equipped with a MVR / TVR
    Capacity on each evaporator – 21K Gal/hr. each
Garden City Profile

- Drying:
  1 Tetra Magna Wide Body – producing 22.5 K lbs./hr.
  24 hrs. of production – 540K of WMP/day
  20 consecutive production days before CIP

- Packaging:
  1 Techno Pak 25kg gas flush system – Fill rate 36.1 K lbs./hr.
  2 Tetra Pak Bulk filling lines – Fill rate 37.4 K lbs./hr.
Garden City Powders Produced

- Instant Agglomerated Whole Milk Powder 28% Fat
- Whole Milk Powder 26% Fat - Export
- Whole Milk Powder Standard Fat - Domestic
- Skim Milk Powder
- Non Fat Powder
Garden City Energy Profile

- Refrigeration
  - 3-Rotary Screw Frick ammonia Compressors - 257 tons each
  - 1- Rotary Screw Frick ammonia Compressors - 346 tons
- Boilers
  - 3-1600 HP Hurst Boilers - 165,600 lbs./hr. steam
- Power
  - 7 transformers at 2500 KVA each
- Air
  - 3-250 HP Gardner Denver - 899 SCFM
- Gas
  - Natural gas supply - 7,568,180 Therms Annually
- Water
  - Milk Sourced/Process Water - 3.5 million lbs/day produced
  - Potable Water Sourced by City
Thank you