

# DFA Ingredients business overview

# Plants



\*\* sweet whey powder

# North American target customers

## Confectionary / Bakery

**HERSHEY'S**

**MARS**

**BARRY CALLEBAUT**

**Blommer**

CHOCOLATE COMPANY



**Nestlé**

## Snacks



## Beverage / Nutrition



**Nestlé**

## Cheese / Prepared Meal

**KraftHeinz**



## Yogurt / Ice Cream



**Unilever**

# Global target customers

## China



WANT WANT CHINA HOLDINGS LIMITED  
中國旺旺控股有限公司



## SE Asia



VƯỜN CAO VIỆT NAM



## Latin America



## Middle East / North Afric

developing

## Sub-Sahara 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

**Middle East &  
North Africa: 2%**

Butter, cheese, cream,  
milk powders

**Asia Pacific:  
30%**

Cheese, 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**