2015 Dairy Products

Utilization & Production Trends
# Table of Contents

## I. EXECUTIVE SUMMARY

## II. UTILIZATION

### A. Dry Milk Products Utilization

- Compilation of Dry Milk Utilization Data
- 2015 Domestic Sales of Nonfat Dry Milk (pie chart)
- Nonfat Dry Milk Domestic Sales in Relation to Production, 2015 & 2014
- Nonfat Dry Milk Four Year Comparison of Domestic Sales by End-Use, 2012 - 2015
- 2015 Domestic Sales of Nonfat Dry Milk - Dairy (pie chart)
- Four Year Comparison of Domestic Sales of Nonfat Dry Milk - Dairy, 2012 - 2015
- 2015 Domestic Sales of Dry Whole Milk (pie chart)
- Supply and Distribution of Dry Whole Milk, 2012 - 2015
- Dry Whole Milk Four Year Comparison of Domestic Sales by End-Use, 2012 - 2015
- 2015 Domestic Sales of Dry Buttermilk (pie chart)
- Supply and Distribution of Dry Buttermilk, 2012 - 2015
- Dry Buttermilk Four Year Comparison of Domestic Sales by End-Use, 2012 - 2015
- 2015 Domestic Sales of Milk Protein Concentrate (pie chart)
- Supply and Distribution of Milk Protein Concentrate, 2012 - 2015
- Milk Protein Concentrate Domestic Sales by End-Use, 2012 - 2015
- Utilization of Condensed Milk Solids, 2014 & 2015 (bar graph)
- Utilization of Dry Milk Products in Animal Feeds 2012 - 2015

### B. Whey Products Utilization

- Compilation of Whey Utilization Data
- 2015 Domestic Sales of Concentrated Whey (pie chart)
- Utilization of Concentrated Whey in Human Foods, 2012 - 2015
- 2015 Utilization of Dry Whey in Human Foods (pie chart)
- Utilization of Dry Whey in Human Foods, 2012 - 2015
- Export Sales of Dry Whey 2012 - 2015
- 2015 Utilization of Whey Protein Concentrate in Human Foods (pie chart)
- Utilization of Whey Protein Concentrate in Human Foods, 2012 - 2015
- Export Sales of Whey Protein Concentrate 2012 - 2015
- 2015 Utilization of Whey Protein Concentrate (25% - 49.9%) in Human Foods (pie chart)
- Utilization of Whey Protein Concentrate (25% - 49.9%) in Human Foods, 2012 - 2015
- Export Sales of Whey Protein Concentrate (25% - 49.9%), 2013 - 2015
- 2015 Utilization of Whey Protein Concentrate (50% - 89.9%) in Human Foods (pie chart)
- Utilization of Whey Protein Concentrate (50% - 89.9%), 2012 - 2015
- Export Sales of Whey Protein Concentrate (50% - 89.9%), 2013 - 2015
- 2015 Utilization of Whey Protein Isolate in Human Foods (pie chart)
- Utilization of Whey Protein Isolate in Human Foods, 2012 - 2015
III. PRODUCTION

A. U.S. Dry Milk Production

- Nonfat Dry Milk Production, Disappearance and Consumption, 1980 - 2015
- Monthly Production of Dry Milks, 2015
- 2015 Production of Dry Milks (pie chart)
- Monthly Production of Dry Milks, 2014
- 2014 Production of Dry Milks (pie chart)
- Nonfat Dry Milk Manufactured in the U.S., 2005 - 2015 (line graph)
- Production of Dry Milks, 2012 - 2015
- Four Year Comparison of Dry Milks Production, 2012 - 2015 (bar graph)
- Skim Milk Powder Manufactured in the U.S., 2005 - 2015 (line graph)
- Milk Protein Concentrate Manufactured in the U.S., 2009 - 2015 (line graph)
- Dry Skim Milk Manufactured in the U.S., 2005 - 2015 (line graph)
- Dry Whole Milk Manufactured in the U.S., 2005 - 2015 (line graph)
- Dry Buttermilk Manufactured in the U.S., 2005 - 2015 (line graph)
- Milk Permeate Manufactured in the U.S., 2005 - 2015 (line graph)

B. U.S. Whey & Lactose Production

- Estimated U.S. Fluid Whey and Whey Solids Production (by type) and Resulting Quantity of Whey Solids Further Processed, 2004 - 2015
- Monthly Production of Whey & Whey Products, 2015
- 2015 Production of Whey & Whey Products (pie chart)
- Monthly Production of Whey & Whey Products, 2014
- 2014 Production of Whey & Whey Products (pie chart)
- Four Year Comparison of U.S. Whey Products Production, 2012 - 2015 (bar graph)
- Production of Whey & Whey Products, 2012 - 2015
- Concentrated Whey Manufactured in the U.S., 2005 - 2015 (line graph)
- Dry Whey Manufactured in the U.S., 2005 - 2015 (line graph)
- Modified Whey Manufactured in the U.S., 2005 - 2015 (line graph)
Whey Protein Isolate Manufactured in the U.S., 2005 - 2015 (line graph) 49
Whey Protein Concentrate (25.0%-49.9%) Manufactured in the U.S., 2005-2015 (line graph) 50
Whey Protein Concentrate (50.0%-89.9%) Manufactured in the U.S., 2005-2015 (line graph) 50
Whey Permeate Manufactured in the U.S., 2012 - 2015 (line graph) 50
Lactose Manufactured in the U.S., 2005 - 2015 (line graph) 50
U.S. Dry Whey Production, 1982 - 2015 51

C. U.S. Cheese Production
Monthly Production of Cheese, 2015 53
2015 Production of Cheese (pie chart) 53
Monthly Production of Cheese, 2014 54
2014 Production of Cheese (pie chart) 54
Four Year Comparison of Cheese Production, 2012 - 2015 (bar graph) 55
Production of Cheese, 2012 - 2015 55
Production of Cheese, by State, 2015 & 2014 56
Production of Cheese, by State, 2015 & 2014 (pie chart) 56

D. Miscellaneous Production Data
Milk Production, 2005 - 2015 (line graph) 59
Number of Milk Cows, Production per Cow and Milk Production, 2005 - 2015 59
Milk Production in the Ten Largest Dairy States, 2008 - 2015 60
2015 Top Five Largest Dairy States (bar graph) 60
Production of Domestic Dry Milk and Whey Products and Imports of Casein, 1980 - 2015 61

E. Global Cheese Production
Production of Cheese for Selected Countries, 2012 - 2015 63

F. Global Dry Milk Production
Production of Skimmed Milk Powder for Selected Countries, 2012 - 2015 65
Production of Whole Milk Powder for Selected Countries, 2012 - 2015 66

G. Global Whey & Lactose Production (Source: 3A Business Consulting)
Production of Dry Whey, 2012 - 2015 69
Production of Whey Protein Concentrate (25% - 49.9%), 2012 - 2015 70
Production of Whey Protein Concentrate (50% - 89.9%), 2012 - 2015 71
Production of Whey Protein Isolate, 2012 - 2015 72
Production of Reduced Lactose & Reduced Minerals Whey, 2012 - 2015 73
Production of Lactose, 2012 - 2015 74
Production of Whey Permeate, 2012 - 2015 75
IV. U.S. EXPORTS (Source: U.S. Dairy Export Council)

Dairy Products - by Country, 2015 (pie chart)
Dairy Products, 2015 vs. 2014 (bar graph)
Dairy Products - by Month, 2011 - 2015 (line graph)
All Dry Whey & Milk Proteins - by Type, 2015 (pie chart)
All Dry Whey & Milk Proteins, 2015 vs. 2014 (bar graph)
All Dry Whey, 2010 - 2015
All Dry Whey & Percentage of Production Exported, 1995 - 2015 (bar graph)
All Dry Whey - by Month, 2013 - 2015 (line graph)
Dry Sweet Whey, 2010 - 2015
Dry Sweet Whey, 2015 vs. 2014 (bar graph)
Whey Protein Concentrate, 2010 - 2015
Whey Protein Concentrate, 2015 vs. 2014 (bar graph)
High Value Whey Proteins (>80%), 2015 vs. 2014 (bar graph)
Lactose, 2010 - 2015
Lactose, 2015 vs. 2014 (bar graph)
Lactose & Percentage of Production Exported, 1995 - 2015 (bar graph)
SMP/NDM, 2010 - 2015
SMP/NDM, 2015 vs. 2014 (bar graph)
Ice Cream, 2015 vs. 2014 (bar graph)
SMP/NDM & Percentage of Production Exported, 1995 - 2015 (bar graph)
SMP/NDM - by Month, 2013 - 2015 (line graph)
Whole Milk Powder, 2010 - 2015
Fluid Milk & Cream, 2010 - 2015
Fluid Milk & Cream, 2015 vs. 2014 (bar graph)
Butter, 2015 vs. 2014 (bar graph)
Butter, 2010 - 2015
Cheese - All types, 2010 - 2015
Cheese, 2015 vs. 2014 (bar graph)
Cheese & Percentage of Production Exported, 1995 - 2015 (bar graph)
Cheese - by Month, 2013 - 2015 (line graph)
Cheese - by Variety/Form, 2015 (pie chart)
Ice Cream, 2010 - 2015
Yogurt, 2010 - 2015
Anhydrous Milkfat, 2010 - 2015
Milk Albumin (WPI), 2010 - 2015

V. PRODUCT DEFINITIONS
Milk Products Definitions
Whey Products Definitions

VI. ADPI INFORMATION & MEETINGS
About the American Dairy Products Institute
Upcoming Conferences/Seminars
Jim Page Memorial Scholarship