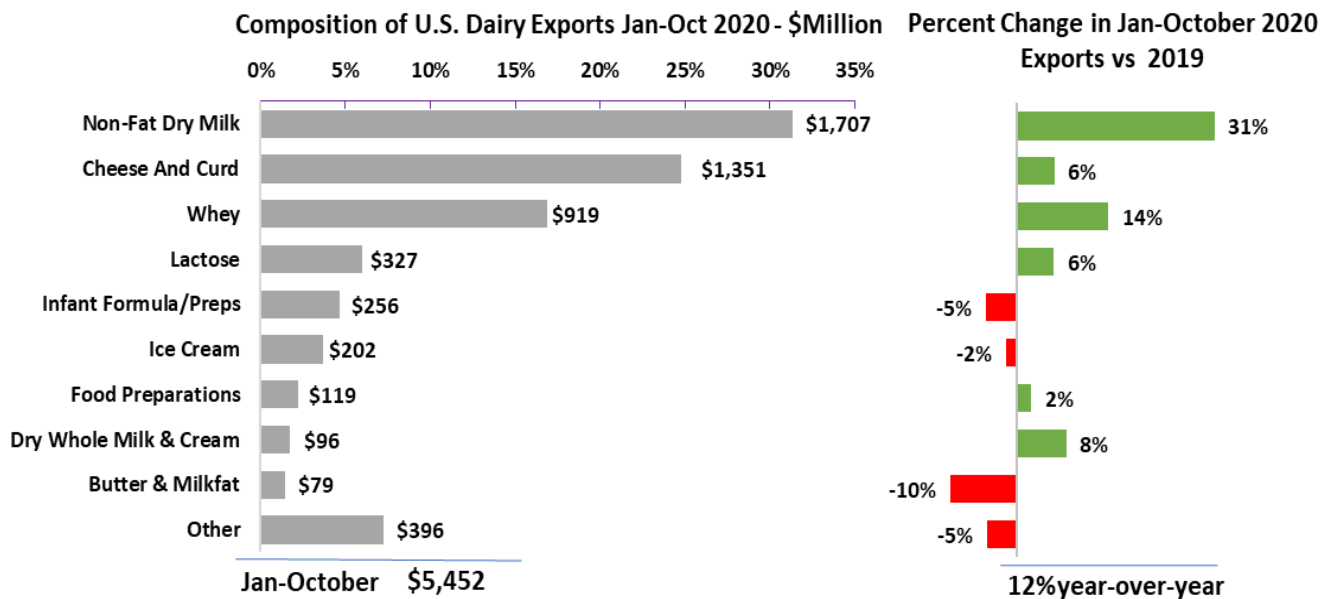


Dairy: World Markets and Trade

Dairy Production and Trade Developments

Despite a challenging year, U.S. dairy exports are booming with all dairy commodities through October 2020 - up 12 percent year-over-year on a value basis. Particularly impressive have been the gains registered by shipments of skimmed milk powder (SMP) which on a value and volume basis over this time period increased by 31 percent and 23 percent, respectively. While shipments of SMP to the major U.S. market of Mexico have lagged last year's pace, this has been offset by strong gains in shipments to Asia particularly the Philippines and Indonesia. For the current year, total SMP exports are forecast to grow by 17 percent over 2019 to reach 820,000 tons. This growth is expected to continue in 2021, with exports forecast up 1 percent to 825,000 tons.



U.S. exports of cheese have been hindered by volatile domestic cheese prices and an economic downturn in the key U.S. market of Mexico which has slowed domestic consumption. Nevertheless, U.S. cheese exports are performing strongly in such key markets as South Korea, Australia, and Canada. Exports are estimated to grow modestly this year by 1 percent. However, they are expected to gain momentum in 2021 and grow by 3 percent to reach 368,000 tons.

Milk Production Summary for Major Exporters (Million Tons)

	2019	2020 Forecast	2021 Forecast	2020-2021 Change
Argentina	10.6	11.4	11.6	2%
Australia	8.8	9.1	9.4	3%
EU-28	155.2	157.5	158.1	0%
New Zealand	21.9	22.0	22.2	1%
United States	99.1	101.0	102.7	2%
Major Exporter Total	295.6	301.0	304.0	1%

Note: Data is rounded.

Fluid Milk:

- In **Argentina**, milk output for 2021 is set to grow by 2 percent reflecting the continued consolidation of the dairy industry as the smaller less efficient dairies exit the industry. As a result, the herd is expected to grow fractionally but milk per cow is forecast to rise by nearly 2 percent to 7.2 tons per cow. Milk prices during 2020 have been relatively strong and were a major factor driving up milk production by almost 7 percent in 2020. The high prices are expected to carry-through into 2021. Nevertheless, farmers face the challenge of dealing with a monthly inflation rate of 3-4 percent, rising input costs, and an export tax on milk powder.
- Milk production in **Australia** during 2020 has been experiencing a rapid recovery due to drought-breaking rains and an excellent pasture and crop growing season. Milk output is expected to climb by 3 percent to 9.1 million tons. These favorable conditions are expected to continue into 2021 and milk production is forecast to expand by a further 3 percent to 9.4 million tons. Milk consumption is expected to remain relatively stable as higher retail sales offset reduced consumption in the food sector, impacted by the COVID-19 pandemic. Consequently, most of the additional milk in 2021 is expected to flow into the production of cheese
- **New Zealand** milk production is forecast to expand by 1 percent in 2021 to reach a record 22.2 million tons. Although the herd is expected to contract by approximately 15,000 head, gains in milk per cow are forecast to more than offset this decline in cows. Although there is currently some dryness in the North Island normal rainfall conditions are assumed to prevail in 2021.

In the early half of 2020, milk output was heavily impacted by drought conditions in the North Island region. However, during the second half of the year, significant rains in the North Island promoted excellent pasture growth. This led to a recovery in milk production that is slated to reach 22 million tons - about half of one percent over 2019.

- In the **European Union**, growth in milk production is expected to slow in 2021 from the strong pace of 2020 to reach 158.1 million tons. The dairy herd is expected to contract by 77,000 head, but better herd management and improved dairy genetics will improve yields enough to offset the decline in cows.

Despite the COVID-19 pandemic, EU milk prices have remained fairly stable for most of 2020, which along with herd consolidation, is expected to result in milk output growing by 1.5 percent. Cumulative milk production this year through September was running at 1.8 percent year-over-year, but dry weather conditions during the summer were expected to affect the quality and quantity of feed supplies during the fall season and lead to a slowdown in output in the last quarter of the year.

CHEESE:

Cheese Exports Summary for Major Exporters (1,000 Tons)

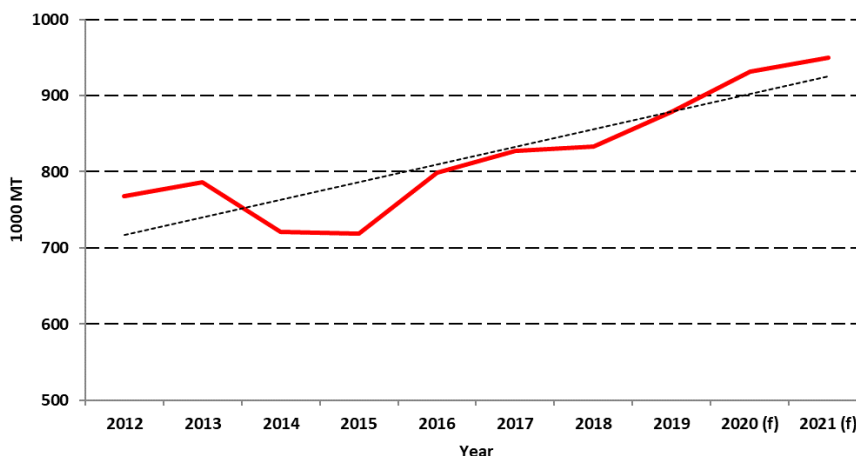
	2019	2020 Forecast	2021 Forecast	2020-2021 Change
Australia	160	155	170	10%
Belarus	244	270	290	7%
EU-28	879	931	950	2%
New Zealand	335	316	345	9%
United States	357	359	368	3%
Major Exporter Total	1,975	2,031	2,123	5%

Note: Data is rounded.

- Milk production in the **European Union** is forecast to rise in 2021 making available an additional 660,000 tons of factory use milk. It is expected that some 60 percent of this additional milk will be used to raise cheese output 1 percent to 10.5 million tons. Cheese consumption is forecast to grow 1 percent while exports are expected to increase 2 percent to a record 950,000 tons.

In 2020, EU exports of cheese are expected to expand by 6 percent to 31,000 tons. Trade data through October 2020, indicates that shipments to the U.S. market are down 15 percent due largely to the retaliatory tariffs imposed by the United States in October 2019. However, this has been more than offset by gains in other markets. Shipments to Japan and South Korea are up 13 percent and 32 percent, respectively. In the case of Ukraine, exports of EU cheese to this destination have doubled to 39,000 tons.

EU Cheese Exports Have Grown at an Annual Average of 5 Percent Between 2015 and 2019



- **New Zealand** cheese production is expected to rebound by 4 percent in 2021 and exports are forecast to rise by 9 percent to 345,000 tons due to higher expected demand from China, Australia, and South Korea. Imports by Japan are expected to be stagnant. In 2019, about two-thirds of exports were shipped to China, Japan, Australia, and South Korea. During January-October 2020, exports to Japan and Australia were lagging last year's pace by about 9-10 percent but there was strong growth - 28 percent - in shipments to South Korea
- **U.S.** cheese exports are set to grow by 3 percent in 2021 largely due to an expected recovery in the Mexican market. In 2020, despite the challenges posed by COVID-19, exports are forecast to show some growth in large part due to strong sales to South Korea and Australia. These markets are up 18 percent and 22 percent, respectively, for shipments from January to October 2020 in comparison to the same period in 2019.

BUTTER (Includes Butteroil/AMF):

Butter Exports Summary for Major Exporters (1,000 Butter Equivalent Tons)

	2019	2020 Forecast	2021 Forecast	2020/2021 Change
Belarus	67	70	65	-7%
EU-28	218	260	260	0%
New Zealand	509	470	495	5%
United States	26	26	26	0%
Major Exporter Total	820	826	846	2%

Note: Data is rounded.

- Imports of butter by **China** are expected to rise by 14 percent in 2021 to reach 140,000 tons making it the largest butter import market in the world. Russia held that position for a number of years. For January-October 2020, China's imports of butter grew sharply by 41 percent year-over-year and imports for the year are anticipated to reach 123,000 tons. Butter per capita consumption has been growing for a number of years due to wide use in the bakery sector and gaining popularity among consumers for home baking.
- **U.S.** imports of butter for 2021 are forecast at 73,000 tons – a 4 percent increase over 2020. Despite the retaliatory tariffs imposed on imports of EU dairy products in late 2019, imports of EU butter in January-October are up 2 percent. Most of this butter originates from Ireland and is mostly imported under the over-quota tariff line. Imports of butter (mostly butteroil/Anhydrous Milk Fat) from India have surged with imports through October nearly doubling to 10,200 tons.

SKIMMED MILK POWDER (SMP):

SMP Exports Summary for Major Exporters (1,000 Tons)

	2019	2020 Forecast	2021 Forecast	2020-2021 Change
Australia	128	128	128	0%
Belarus	124	128	125	-2%
EU-28	962	835	845	1%
New Zealand	373	355	390	10%
United States	701	820	825	1%
Major Exporter Total	2,288	2,266	2,313	2%

Note: Data is rounded.

- **European Union** shipments of SMP are forecast up 1 percent in 2021 reflecting the expected small growth in milk production. In 2020, exports are anticipated to drop significantly from 2019 when the EU had a significant inventory of surplus SMP. For 2020 and 2021, the EU is not forecast to accumulate any intervention stocks as SMP prices in the EU are expected to remain above the intervention price of approximately 94 cents per pound (€1,698 per ton).
- Exports of **New Zealand** SMP are expected to grow by 10 percent in 2021 to reach 390,000 tons largely due to relatively strong import demand from China and other Asian

markets. In 2020, exports of SMP are expected to decline by 5 percent due to lower import demand particularly from China and Malaysia.

- The **United States** SMP export forecast for 2021 is set at 1 percent above 2020's expected-record 820,000 tons as import demand in Asia is expected to remain relatively strong while SMP imports by such key markets as Mexico are forecast to recover. Mexico imports of SMP in 2021 are slated to rebound by 12 percent or 35,000 tons from 2020. About one-third of U.S. SMP exports are shipped to Mexico so increased exports to Mexico are likely to more than offset lower sales to Asia where U.S. exporters face greater competition from New Zealand and the European Union.

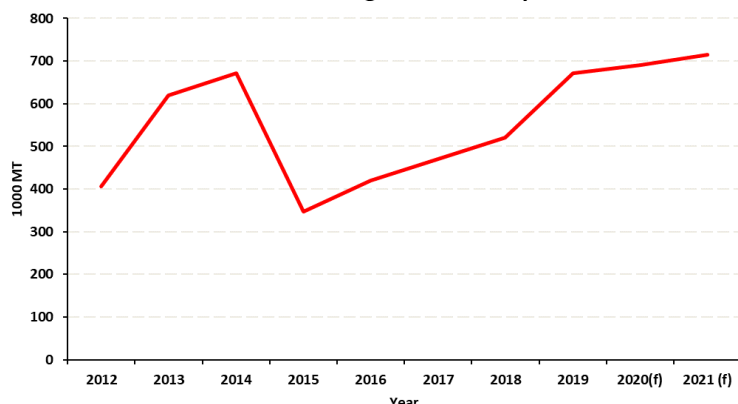
WHOLE MILK POWDER (WMP):

WMP Exports Summary for Major Exporters (1,000 Tons)

	2019	2020 Forecast	2021 Forecast	2020-2021 Change
Argentina	97	160	160	0%
Australia	42	35	50	43%
EU-28	298	340	340	0%
New Zealand	1,536	1,520	1,535	1%
Major Exporter Total	1,973	2,055	2,085	1%

- The bulk of the milk produced in **New Zealand** is channeled into the production of WMP which is almost all exported. For 2021, WMP output is forecast to expand by 2 percent and exports are forecast to rise by 1 percent. The largest market for New Zealand by far is China, accounting for slightly over a third of total WMP shipped in January-October 2020.
- **China** is forecast to import 715,000 tons of WMP in 2021 – up 4 percent from 2020 as the economy recovers. Most of the imported WMP is used by the food processing sector to produce a broad range of products such as dairy beverages, yogurt, and ice cream. The rapid development of the food processing sector is expected to help support the consumption of WMP.

From 2015-2019 China's WMP Imports Have Increased by an Average 18% Annually



U.S. Dairy Export Forecasts:

U.S. Dairy Products Export Forecast - Calendar Year 2020-2021

	2020(For)	Milk Equivalent (Bil. Lbs.)		2021 (For)	Milk Equivalent (Bil. Lbs.)	
		Fat	Skims		Fat	Skims
NON-FAT DRY AND SKIM MILK PWDR	819,888 MT	0.4	19.2	825,000 MT	0.4	19.4
MILK POWDER > 1.5% MILK FAT	36,674 MT	0.5	0.6	40,500 MT	0.6	0.7
BUTTER/MILKFAT/SPREADS	24,890 MT	1.2	0.0	24,400 MT	1.2	0.0
CHEESE AND CURD	359,293 MT	5.4	2.9	368,350 MT	5.6	3.0
FLUID PRODUCTS 4/	177,535 Liters	0.4	0.4	167,250 Liters	0.5	0.3
DRIED WHEY PRODUCTS	542,009 MT	0.6	12.5	546,000 MT	0.6	12.6
LACTOSE	381,767 MT	0.0	9.3	413,000 MT	0.0	10.1
OTHER DAIRY PRODUCTS	213,866 MT	0.7	2.7	218,300 MT	0.7	2.7
TOTAL - Billion Pounds		9.2	47.6		9.6	48.7

Note: 1) CY 2020 includes actual exports through October 2020
 2) Milk Equivalent figures are rounded and totals may not add up.
 3) Forecasts assume current policy
 4/ Includes milk based drinks, fluid whey, cream and fluid milk

Exports Through October 2020

Top Dest. -M.E. Milkfat Basis (Mill. lbs)	2020	Top Dest.-M.E. Skim Basis (Mill. lbs)	2020
MEXICO	1,655 23%	MEXICO	7,191 20%
SOUTH KOREA	962 13%	CHINA (MAINLAND)	5,324 15%
CANADA	602 8%	PHILIPPINES	3,309 9%
JAPAN	511 7%	INDONESIA	2,822 8%
CHINA (MAINLAND)	371 5%	JAPAN	1,772 5%
AUSTRALIA	371 5%	VIETNAM	1,754 5%
Other	2,698 38%	Other	13,518 38%
TOTAL	7,171	TOTAL	35,689

Additional Resources:

For additional information, please contact Paul Kiendl at 202-720-8870 or Paul.Kiendl@usda.gov

Subscription services for FAS circulars can be obtained at: <https://public.govdelivery.com/accounts/USDAFAS/subscriber/new>

Individual FAS country reports covering dairy are available at: <https://gain.fas.usda.gov/#/>

The USDA Production, Supply and Demand database is available at: <https://apps.fas.usda.gov/psdonline/app/index.html#/app/home>

A monthly “Livestock, Dairy, and Poultry Outlook” for the United States published by the Economic Research Service is available at: <https://www.ers.usda.gov/publications/>

U.S. trade data is available on the Global Agricultural Trade System (GATS): <https://apps.fas.usda.gov/gats/default.aspx>

The next publication of this circular will be on July 16, 2021.

Circular Notes:

- Fluid milk in liters are converted to kilograms using a 1.03 conversion factor.
- U.S. cheese imports only include cow’s milk cheeses.
- For the United States, SMP includes nonfat dry milk for human and animal use and skimmed milk powder.
- The Butter PS&D’s include butter, anhydrous milk fat (AMF), and butteroil. The AMF and butteroil are converted to a butter equivalent basis by multiplying by 1.25.
- Production data for fluid milk, cheese, butter, SMP, and WMP for China is based on data published by the National Bureau of Statistics and the Organization for Economic Development.
- The milk production figures for Russia have been revised for the years 2007-2017 to reflect new data published by the Federal State Statistic Service (Rosstat) of Russia.

Cows Milk Production and Consumption: Summary For Selected Countries

1,000 Metric Tons

	2016	2017	2018	2019	2020	2021 Dec
Cows Milk Production						
Argentina	10,191	10,090	10,837	10,640	11,350	11,575
Australia	9,486	9,462	9,451	8,832	9,100	9,400
Belarus	7,140	7,321	7,345	7,394	7,750	7,900
Brazil	22,726	23,624	23,745	24,262	23,505	24,000
Canada	9,081	9,675	9,944	9,903	9,950	9,980
China	30,640	30,386	30,750	32,000	33,000	34,500
European Union	151,000	153,400	154,575	155,200	157,500	158,100
India	78,099	83,634	89,800	92,000	93,800	96,000
Japan	7,394	7,281	7,289	7,314	7,390	7,450
Korea, South	2,070	2,081	2,041	2,035	2,030	2,025
Mexico	11,956	12,121	12,368	12,650	12,750	12,900
New Zealand	21,224	21,530	22,017	21,896	22,000	22,200
Russia	29,587	29,972	30,398	31,154	31,650	31,800
Taiwan	380	380	385	410	437	436
Ukraine	10,375	10,275	10,070	9,646	9,000	8,600
Others	14	15	16	17	18	19
Subtotal	401,363	411,247	421,031	425,353	431,230	436,885
United States	96,367	97,762	98,688	99,056	101,015	102,648
Total	497,730	509,009	519,719	524,409	532,245	539,533
Fluid Use Dom. Consum.						
Argentina	1,718	1,681	1,771	1,645	1,750	1,825
Australia	2,550	2,530	2,620	2,536	2,550	2,550
Belarus	1,050	1,065	1,050	1,055	1,075	1,085
Brazil	9,600	9,993	10,762	10,900	11,010	11,100
Canada	2,917	2,884	2,832	2,816	2,875	2,910
China	12,555	12,810	12,700	13,200	12,000	13,000
European Union	33,600	33,550	33,500	33,300	33,400	33,350
India	67,700	72,185	77,000	79,000	81,000	83,000
Japan	3,988	3,974	3,995	4,000	4,000	4,005
Korea, South	1,500	1,561	1,566	1,575	1,580	1,585
Mexico	4,183	4,174	4,183	4,190	4,200	4,175
New Zealand	497	497	515	520	525	525
Russia	7,700	7,500	7,318	7,270	7,200	7,115
Taiwan	397	408	420	446	476	482
Ukraine	5,241	4,998	4,862	4,967	4,550	4,409
Others	81	86	96	117	103	104
Subtotal	155,277	159,896	165,190	167,537	168,294	171,220
United States	22,549	22,067	21,623	21,250	21,200	21,000
Total	177,826	181,963	186,813	188,787	189,494	192,220

Fluid Milk - Cow Numbers: Summary For Selected Countries
1,000 Head

	2016	2017	2018	2019	2020	2021 Dec
Cows In Milk						
Argentina	1,720	1,672	1,640	1,598	1,610	1,615
Australia	1,562	1,512	1,525	1,440	1,435	1,445
Belarus	1,512	1,502	1,500	1,498	1,495	1,490
Brazil	17,430	16,262	16,300	16,500	16,200	16,400
Canada	945	945	970	968	967	967
China	8,000	7,000	6,200	6,100	6,150	6,200
European Union	23,548	23,525	23,311	22,908	22,627	22,550
India	53,500	54,000	52,482	54,600	56,450	58,000
Japan	752	735	731	730	716	730
Korea, South	194	198	205	204	203	204
Mexico	6,450	6,550	6,550	6,500	6,550	6,600
New Zealand	4,998	4,861	4,993	4,946	4,815	4,800
Philippines	11	12	11	11	12	12
Russia	7,235	7,080	6,815	6,711	6,580	6,500
Taiwan	61	61	62	62	63	63
Ukraine	2,226	2,170	2,078	1,970	1,840	1,750
Subtotal	130,144	128,085	125,373	126,746	127,713	129,326
United States	9,334	9,406	9,398	9,336	9,375	9,395
Total	139,478	137,491	134,771	136,082	137,088	138,721

Cheese Production and Consumption: Summary For Selected Countries

1,000 Metric Tons

	2016	2017	2018	2019	2020	2021 Dec
Production						
Algeria	0	0	0	0	0	0
Argentina	552	514	444	523	488	537
Australia	344	348	366	364	385	395
Belarus	275	260	275	300	346	360
Brazil	745	771	760	770	750	760
Canada	445	497	510	515	510	515
China	251	249	276	282	283	300
European Union	9,810	10,050	10,160	10,210	10,350	10,450
Japan	47	46	45	44	45	47
Korea, South	25	35	37	40	43	44
Mexico	375	396	419	437	455	460
New Zealand	360	386	370	365	350	365
Philippines	2	2	2	2	2	2
Russia	865	951	970	983	1,035	1,060
Ukraine	186	190	192	187	180	175
Others	0	0	0	0	0	0
Total Foreign	14,282	14,695	14,826	15,022	15,222	15,470
United States	5,525	5,733	5,914	5,959	6,000	6,218
Total	19,807	20,428	20,740	20,981	21,222	21,688
Total Dom. Consumption						
Argentina	508	485	380	430	441	473
Australia	275	291	293	297	305	315
Belarus	71	72	72	73	75	76
Brazil	785	799	785	795	776	796
Canada	458	504	537	539	539	550
China	348	357	384	397	409	430
European Union	9,094	9,297	9,386	9,394	9,482	9,560
Japan	304	324	329	346	344	346
Korea, South	136	159	155	166	170	180
Mexico	496	511	526	551	564	575
New Zealand	42	40	38	38	38	38
Philippines	32	40	40	42	46	50
Russia	1,069	1,141	1,200	1,231	1,318	1,340
Taiwan	32	32	32	31	32	34
Ukraine	187	188	198	205	221	220
Others	0	0	0	0	0	0
Total Foreign	13,837	14,240	14,355	14,535	14,760	14,983
United States	5,379	5,494	5,674	5,751	5,766	5,950
Total	19,216	19,734	20,029	20,286	20,526	20,933

Cheese Trade: Summary For Selected Countries

1,000 Metric Tons

	2016	2017	2018	2019	2020	2021 Dec
Total Exports						
Argentina	53	44	61	61	70	60
Australia	167	171	172	160	155	170
Belarus	205	189	211	244	270	290
European Union	799	828	833	879	931	950
New Zealand	355	343	322	335	316	345
Others	55	59	63	56	61	60
Total Foreign	1,634	1,634	1,662	1,735	1,803	1,875
United States	287	340	349	357	359	368
Total	1,921	1,974	2,011	2,092	2,162	2,243
Total Imports						
China	97	108	108	115	126	130
Japan	258	273	286	303	300	300
Korea, South	110	125	124	131	131	132
Mexico	126	122	123	121	119	125
Russia	223	226	250	273	310	300
Others	328	337	324	340	373	388
Total Foreign	1,142	1,191	1,215	1,283	1,359	1,375
United States	165	138	138	139	126	126
Total	1,307	1,329	1,353	1,422	1,485	1,501

Butter Production and Consumption: Summary For Selected Countries

1,000 Metric Tons

	2016	2017	2018	2019	2020	2021 Dec
Production						
Algeria	0	0	0	0	0	0
Argentina	37	30	33	29	39	37
Australia	110	103	93	70	75	80
Belarus	118	120	115	110	110	105
Brazil	82	83	85	85	80	81
Canada	93	109	116	112	120	122
China	98	99	108	110	110	111
European Union	2,345	2,340	2,345	2,375	2,425	2,450
India	5,200	5,400	5,600	5,850	6,100	6,300
Japan	66	60	60	62	70	66
Mexico	217	223	228	231	234	237
New Zealand	570	525	550	525	525	520
Russia	246	270	256	268	278	280
Taiwan	0	0	0	0	0	0
Ukraine	103	109	106	89	82	77
Total Foreign	9,285	9,471	9,695	9,916	10,248	10,466
United States	834	838	893	905	959	992
Total	10,119	10,309	10,588	10,821	11,207	11,458
Domestic Consumption						
Algeria	0	0	0	0	0	0
Argentina	32	28	21	15	17	18
Australia	102	115	117	104	107	110
Belarus	41	47	37	43	40	40
Brazil	89	88	91	89	82	83
Canada	117	121	124	141	139	142
China	184	195	226	198	231	249
European Union	2,182	2,207	2,207	2,173	2,169	2,195
India	5,196	5,387	5,577	5,803	6,078	6,276
Japan	72	72	78	83	76	81
Mexico	267	264	250	277	280	287
New Zealand	28	28	29	29	30	30
Russia	353	357	346	384	395	400
Taiwan	24	24	23	24	22	24
Ukraine	93	82	76	79	78	83
Total Foreign	8,780	9,015	9,202	9,442	9,744	10,018
United States	849	849	898	940	988	1,038
Total	9,629	9,864	10,100	10,382	10,732	11,056

Note: Butter includes butter, butteroil and anhydrous milk fat on a butter equivalent basis.

Butter Trade: Summary For Selected Countries

1,000 Metric Tons

	2016	2017	2018	2019	2020	2021 Dec
Total Imports						
China	87	98	120	91	123	140
Russia	106	99	88	117	131	118
Mexico	65	49	33	59	56	60
Australia	30	35	42	40	44	40
Canada	27	22	22	25	25	27
Taiwan	24	24	23	24	22	24
Japan	13	8	16	25	17	17
Ukraine	1	1	1	3	13	13
European Union	23	16	22	16	4	5
Brazil	7	5	6	5	2	2
India	6	2	1	0	1	1
New Zealand	2	1	1	1	1	1
Algeria	0	0	0	0	0	0
Argentina	0	1	0	0	0	0
Belarus	0	0	0	0	0	0
Total Foreign	391	361	375	406	439	448
United States	47	41	59	66	70	73
Total	438	402	434	472	509	521
Total Exports						
New Zealand	554	476	501	509	470	495
European Union	212	174	160	218	260	260
Belarus	77	73	78	67	70	65
India	9	15	33	47	23	25
Argentina	6	4	11	15	21	18
Australia	30	16	17	18	18	17
Mexico	15	8	11	13	10	10
Ukraine	9	28	29	16	10	7
Russia	4	3	3	2	4	4
Canada	1	1	2	2	5	2
China	1	2	2	3	2	2
Algeria	0	0	0	0	0	0
Brazil	0	0	0	1	0	0
Japan	0	0	0	0	0	0
Taiwan	0	0	0	0	0	0
Total Foreign	918	800	847	911	893	905
United States	27	29	49	26	26	26
Total	945	829	896	937	919	931

Nonfat Dry Milk Production and Consumption: Summary For Selected Countries

1,000 Metric Tons

	2016	2017	2018	2019	2020	2021 Dec
Production						
Australia	238	187	201	150	155	155
Brazil	153	158	155	158	149	155
European Union	1,735	1,725	1,735	1,760	1,810	1,830
India	540	570	600	635	660	680
New Zealand	405	402	410	375	400	385
Others	620	613	592	595	620	599
Total Foreign	3,691	3,655	3,693	3,673	3,794	3,804
United States	1,053	1,078	1,067	1,107	1,141	1,156
Total	4,744	4,733	4,760	4,780	4,935	4,960
Total Dom. Consumption						
China	223	276	299	358	365	386
European Union	804	985	1,127	979	978	988
India	531	576	572	600	637	675
Mexico	325	351	347	340	302	329
Philippines	136	147	159	177	204	205
Others	1,145	1,098	1,090	1,079	1,065	1,096
Total Foreign	3,164	3,433	3,594	3,533	3,551	3,679
United States	450	430	369	422	316	349
Total	3,614	3,863	3,963	3,955	3,867	4,028

Nonfat Dry Milk Trade: Summary For Selected Countries

1,000 Metric Tons

	2016	2017	2018	2019	2020	2021 Dec
Total Imports						
China	184	247	280	344	345	365
Mexico	286	331	360	361	295	330
Indonesia	173	147	162	188	190	195
Philippines	179	157	159	177	179	190
Algeria	119	162	167	120	150	160
Russia	136	126	95	88	61	60
Japan	34	59	52	47	38	35
Brazil	35	31	29	25	28	30
Taiwan	23	24	23	23	26	26
Korea, South	21	23	25	24	17	25
Australia	6	8	13	15	16	15
Chile	12	15	13	13	14	14
New Zealand	3	2	3	4	5	4
European Union	4	2	3	6	3	3
Ukraine	0	0	1	1	3	3
Canada	4	4	4	3	2	2
Argentina	0	0	0	0	0	0
Belarus	1	0	0	0	0	0
India	0	1	0	0	1	0
Total Foreign	1,220	1,339	1,389	1,439	1,373	1,457
United States	1	1	1	1	1	1
Total	1,221	1,340	1,390	1,440	1,374	1,458
Total Exports						
European Union	579	780	816	962	835	845
New Zealand	444	401	358	373	355	390
Australia	163	157	155	128	128	128
Belarus	111	109	121	124	128	125
Mexico	3	29	56	65	36	45
Canada	24	72	66	47	45	30
Argentina	26	20	23	22	27	25
India	19	10	43	8	4	20
Ukraine	34	29	23	20	16	12
Russia	1	2	1	1	2	3
China	1	1	1	1	0	1
Chile	2	1	1	0	1	1
Indonesia	1	1	1	1	1	1
Algeria	0	0	0	0	0	0
Brazil	0	0	0	0	0	0
Japan	0	0	0	0	0	0
Korea, South	0	0	0	0	0	0
Philippines	0	0	0	0	0	0
Taiwan	0	0	0	0	0	0
Total Foreign	1,408	1,612	1,665	1,752	1,578	1,626
United States	594	606	712	701	820	825
Total	2,002	2,218	2,377	2,453	2,398	2,451

Whole Milk Powder Production And Consumption: Summary For Selected Countries

1,000 Metric Tons

	2016	2017	2018	2019	2020	2021 Dec
Production						
Argentina	180	170	192	188	267	250
Brazil	550	596	585	596	570	580
China	1,375	1,080	965	1,052	1,200	1,200
European Union	720	760	732	740	760	770
New Zealand	1,320	1,380	1,450	1,490	1,500	1,535
Others	445	497	466	459	459	476
Total Foreign	4,590	4,483	4,390	4,525	4,756	4,811
United States	45	56	65	64	72	73
Total	4,635	4,539	4,455	4,589	4,828	4,884
Total Dom. Consumption						
Algeria	222	235	245	243	250	270
Brazil	662	664	652	657	654	669
China	1,992	1,598	1,534	1,722	1,839	1,939
European Union	344	369	400	447	421	431
Indonesia	120	128	142	135	133	140
Others	591	521	516	550	537	536
Total Foreign	3,931	3,515	3,489	3,754	3,834	3,985
United States	40	51	51	46	49	45
Total	3,971	3,566	3,540	3,800	3,883	4,030

Whole Milk Powder Trade: Summary For Selected Countries
1,000 Metric Tons

	2016	2017	2018	2019	2020	2021 Dec
Total Imports						
Afghanistan	0	0	0	0	0	0
Algeria	224	262	271	233	260	255
Argentina	0	0	1	2	0	0
Australia	16	28	28	37	45	40
Belarus	0	0	0	0	0	0
Brazil	126	73	68	61	85	90
Chile	7	12	8	3	10	4
China	420	470	521	671	690	715
European Union	6	2	2	5	1	1
Indonesia	52	47	59	54	47	50
Mexico	12	4	7	4	4	6
New Zealand	4	2	2	4	2	3
Philippines	21	19	23	32	29	32
Russia	49	49	27	46	31	36
Taiwan	30	32	34	32	37	35
Others	58	20	10	10	0	0
Total Foreign	1,025	1,020	1,061	1,194	1,241	1,267
United States	15	21	7	9	12	12
Total	1,040	1,041	1,068	1,203	1,253	1,279
Total Exports						
Afghanistan	0	0	0	0	0	0
Algeria	0	0	0	0	0	0
Argentina	110	71	135	97	160	160
Australia	70	55	55	42	35	50
Belarus	29	29	33	23	28	30
Brazil	14	5	1	0	1	1
Chile	7	4	4	4	2	3
China	3	2	2	1	1	1
European Union	382	393	334	298	340	340
Indonesia	2	0	0	1	1	1
Mexico	20	33	23	17	20	25
New Zealand	1,344	1,342	1,369	1,536	1,520	1,535
Philippines	0	0	0	0	0	0
Russia	1	1	0	0	1	1
Ukraine	2	4	4	9	4	4
Others	0	0	0	0	0	0
Total Foreign	1,984	1,939	1,960	2,028	2,113	2,151
United States	19	18	28	29	36	41
Total	2,003	1,957	1,988	2,057	2,149	2,192