
WORLD DAIRY PRODUCTS

World Butter and Cheese

Steady demand and lower exports from Australia and New Zealand boosted dairy prices 7% to 15% in 2005. Dairy prices decrease 10% to 12% in 2006 as Australia, New Zealand, and Argentina expand exports. Steady growth in import demand and gradual growth in global supplies put upward pressure on dairy prices in the long term, prompting butter, cheese, NFD, and WMP prices to rise annually by 1.4%, 1.3%, 1%, and 1.4%, respectively.

Australia, New Zealand, and the EU-15 remained the world's largest butter exporters, supplying 86.3% of total butter trade in 2005. Australian and New Zealand butter exports rise an average of 4% and 1.5% annually, while EU-15 net exports decline because of dairy market reform. Ukraine's butter exports remain stable, as its major importer, Russia, can meet its demand increase through production growth.

Russia accounted for about a quarter of the world's total butter imports in 2005. Russia's butter imports stabilize at about 160 tmt in the medium run and then decrease slightly because of increased domestic production. Egypt and Mexico increase their imports by 3% and 8.5% annually, respectively. Steady growth occurs in Asia, with imports increasing 47 tmt over the baseline.

Driven by rapidly growing domestic demand and strong world prices, Indian butter production increases 54.3% over the baseline. This increase accounts for 86.6% of world butter production growth. Indian butter exports peak at 28 tmt in 2008 and then decrease as consumption outpaces production.

Total cheese production grows 15.5%, with production in the U.S., Argentina, Australia, and New Zealand increasing 1.7%, 4.8%, 4%, and 3.4% annually, respectively. In the EU, because of the decrease in intervention prices for butter and NFD, higher returns from cheese production, and restricted milk supply, some milk is diverted from butter and NFD into cheese production. EU cheese production rises 8.4% over the baseline, while butter and NFD production decrease 3% and 2%, respectively.

Australia, New Zealand, and the EU-15 account for 68% of total cheese exports, and this proportion remains stable throughout the projection period. Argentina and Ukraine become increasingly important players in international cheese markets, accounting for 15.5% of total exports by 2015. Strong demand drives the world cheese trade to increase by 30%.

Russia's cheese imports expand 27.8% over the decade and are mainly supplied by Ukraine. Japan's cheese imports continue to increase, by 1.6% annually. Because of economic and population growth, cheese imports of other Asian countries (China, Indonesia, Malaysia, Philippines, South Korea, Thailand, and Vietnam) increase significantly (5.7% annually), especially those of China. Mexican cheese imports rise 15.4% over the baseline.

Butter Trade

	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Net Exporters	(Thousand Metric Tons)										
Argentina	3	5	5	5	5	6	6	7	8	8	9
Australia	75	77	81	82	87	91	96	99	103	107	111
Canada	-7	-8	-10	-10	-10	-10	-10	-10	-11	-11	-11
EU New Member States	40	43	46	49	53	55	57	58	57	56	55
European Union-15	169	177	172	167	165	163	160	158	157	156	155
India	2	12	21	28	26	22	23	20	15	12	5
New Zealand	298	310	310	314	317	321	325	330	335	339	344
Ukraine	30	30	28	26	26	26	26	25	25	26	25
Uruguay	11	10	12	14	15	16	16	16	16	16	15
Total Net Exports *	627	664	675	687	695	701	708	713	716	719	719
Net Importers											
Brazil	0	1	-1	-2	-1	0	1	2	3	3	4
Bulgaria	1	1	1	1	1	1	1	1	1	1	1
China	22	26	27	28	30	32	33	34	35	36	36
Colombia	0	1	1	2	2	3	3	4	4	5	6
Egypt	20	23	25	27	30	32	34	37	40	42	45
Indonesia	11	11	11	12	12	12	13	13	14	14	14
Japan	5	6	7	8	10	11	12	13	14	15	16
Malaysia	9	10	10	11	11	12	12	12	13	13	14
Mexico	55	56	57	59	60	62	64	66	68	71	74
Peru	2	3	3	3	3	3	3	3	3	4	4
Philippines	10	10	10	10	11	11	11	11	12	12	12
Romania	5	5	4	4	4	4	4	4	4	4	4
Russia	145	162	165	164	163	163	163	163	161	159	157
South Korea	1	1	2	2	3	3	3	2	3	3	2
Switzerland	4	4	4	3	3	2	2	2	2	2	2
Thailand	14	15	15	16	16	17	17	18	19	20	20
United States	15	15	15	16	18	19	20	22	23	24	26
Venezuela	2	2	2	2	2	3	3	3	3	3	3
Vietnam	6	7	7	7	8	8	8	9	9	10	10
Rest of World	294	300	299	301	300	295	289	282	275	267	258
Total Net Imports	627	664	675	687	695	701	708	713	716	719	719
Price	(U.S. Dollars per Metric Ton)										
FOB Price N. Europe	2,004	1,755	1,803	1,853	1,849	1,860	1,891	1,920	1,946	1,972	1,992

* Total net exports are the sum of all positive net exports and negative net imports.

Cheese Trade

	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Net Exporters	(Thousand Metric Tons)										
Argentina	43	63	66	67	68	73	82	92	101	110	119
Australia	176	190	193	209	220	235	251	268	283	298	313
Bulgaria	12	15	16	16	18	18	18	19	19	19	19
EU New Member States	145	127	118	114	116	119	120	121	122	124	125
European Union-15	420	391	380	378	386	395	401	405	409	416	420
New Zealand	271	253	296	306	317	327	337	348	358	368	378
Romania	0	1	1	2	3	3	4	5	6	7	8
Switzerland	39	48	53	58	62	63	63	64	65	66	68
Ukraine	108	125	125	124	124	125	126	127	128	129	131
Uruguay	17	18	20	22	24	25	26	27	28	28	29
Total Net Exports *	1,237	1,234	1,271	1,299	1,338	1,384	1,429	1,474	1,519	1,566	1,610
Net Importers											
Brazil	-4	-3	-4	-5	-2	2	6	9	12	16	19
Canada	17	19	19	18	18	18	17	17	16	15	14
China	22	30	32	39	45	51	55	60	63	66	68
Colombia	-1	1	2	3	4	6	7	8	10	11	13
Egypt	7	7	7	7	7	8	9	9	10	10	11
Indonesia	8	8	9	9	9	10	10	10	12	12	11
Japan	215	214	217	221	227	232	236	240	244	248	251
Malaysia	6	7	7	8	8	8	9	9	9	10	10
Mexico	83	85	90	84	84	86	86	86	88	92	96
Peru	2	2	3	2	2	2	2	3	3	3	3
Philippines	19	20	21	21	22	23	23	24	25	26	27
Russia	205	210	220	223	228	235	242	248	253	258	262
South Korea	43	42	42	43	46	48	50	51	53	54	55
Thailand	2	2	3	3	3	3	3	4	4	4	4
United States	120	122	124	126	128	130	131	133	135	137	139
Venezuela	9	13	15	16	18	20	21	23	24	25	27
Vietnam	1	1	1	1	1	1	1	1	2	2	2
Rest of World	477	449	460	475	488	503	519	538	557	576	597
Total Net Imports	1,237	1,234	1,271	1,299	1,338	1,384	1,429	1,474	1,519	1,566	1,610
Price	(U.S. Dollars per Metric Ton)										
FOB Price N. Europe	3,058	2,689	2,749	2,842	2,851	2,860	2,905	2,948	2,976	3,001	3,017

* Total net exports are the sum of all positive net exports and negative net imports.

World Milk Powder

Over the next decade, NFD production rises 24.7%, with the greatest gains posted in the U.S., Russia, and India. Excluding the EU, WMP production grows in most countries, increasing a total of 24.6%. As NFD is less profitable than other dairy products in the export market, NFD production in Oceanic countries stagnates. In the meantime, WMP production in Australia and New Zealand increases 6.9% and 2.3% annually, respectively, in the next decade.

Australia, New Zealand, the EU-15, and the U.S. captured about 73.3% of the NFD export market in 2005, and their combined market share increases slightly over the baseline. NFD exports from Australia, New Zealand, and the U.S. grow an average of 1.1%, 0.9%, and 6.5% annually, respectively, while NFD exports from the EU-15 decrease 2.6% annually. As a by-product of butter, India's NFD production grows 76.2%, creating excess supplies that allow NFD exports to rise 17.1% annually. Driven by strong domestic consumption, Mexican NFD imports increase 15% over the projection period.

World WMP trade grows 21.1% over the baseline. While EU-15 WMP exports decrease by 1%, Australia, New Zealand, and Argentina expand their exports, respectively, by 8%, 2.9%, and 1.8% annually. Australia, New Zealand, Argentina, and Uruguay capture all of the 360 tmt increase in WMP exports. Venezuela's WMP imports expand 29.6%, reaching 123 tmt in 2015.

Strong devaluation, a recovering economy, and firm world prices drive the recovery of the Argentine dairy sector. Argentine WMP production and NFD production increase 2.3% and 5.3% annually, respectively, over the baseline. With improved domestic economic conditions and favorable government policies, Brazilian dairy production steadily increases. NFD production and WMP production increase 29.8% and 24.6%, respectively, during the projection period.

Southeast Asia (Indonesia, Malaysia, Philippines, Thailand, and Vietnam) increases its share of NFD imports from 32.8% in 2005 to 35.7% in 2015. China and Japan account for about 6.7% of the NFD import market by the end of the baseline. Together, these seven countries generate most of the growth in NFD trade. Southeast Asian WMP imports rise 5.1% annually throughout the baseline. Chinese WMP imports decline over the long term, as domestic WMP production expands and as consumers substitute fluid milk for reconstituted milk powder.

Nonfat Dry Milk Trade

	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Net Exporters	(Thousand Metric Tons)										
Argentina	22	22	25	26	28	30	32	34	36	39	41
Australia	170	179	182	182	183	182	184	186	187	188	190
Bulgaria	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2
Canada	0	-3	7	6	0	3	2	3	4	5	5
EU New Member States	185	166	159	156	160	165	165	166	167	169	170
European Union-15	158	141	132	130	130	128	128	127	125	122	121
India	10	19	30	32	34	36	38	40	43	46	49
New Zealand	223	233	235	235	236	236	237	238	240	241	243
Switzerland	14	14	15	15	15	15	15	15	15	16	16
Ukraine	65	64	61	59	58	56	55	52	51	51	49
United States	301	264	273	303	332	359	400	443	485	526	567
Uruguay	14	15	18	20	21	22	21	21	20	19	18
Total Net Exports *	1,162	1,117	1,137	1,165	1,197	1,233	1,277	1,325	1,372	1,420	1,468
Net Importers											
Brazil	2	1	1	1	1	3	4	5	6	5	5
China	55	54	56	57	57	58	59	61	62	63	65
Colombia	0	0	0	0	1	1	1	1	1	1	1
Egypt	19	20	20	20	21	22	22	23	23	24	24
Indonesia	90	90	94	98	101	105	109	113	117	121	126
Japan	25	20	19	21	23	24	26	28	30	31	32
Malaysia	49	55	57	59	60	62	64	66	68	70	72
Mexico	173	172	173	175	177	180	184	188	191	195	199
Peru	6	7	7	7	7	7	7	7	7	8	8
Philippines	130	135	138	141	144	147	151	154	158	161	165
Romania	2	2	1	1	1	1	1	1	2	2	1
Russia	45	45	49	49	49	49	50	50	49	48	46
South Korea	5	1	2	4	4	4	4	4	4	4	4
Thailand	80	87	89	92	94	96	98	100	103	106	108
Venezuela	6	7	7	7	7	7	7	7	7	7	7
Vietnam	32	31	33	35	38	40	42	45	48	50	53
Rest of World	441	386	388	396	410	425	445	470	495	520	550
Total Net Imports	1,162	1,117	1,137	1,165	1,197	1,233	1,277	1,325	1,372	1,420	1,468
Price	(U.S. Dollars per Metric Ton)										
FOB Price N. Europe	2,200	1,983	2,040	2,101	2,131	2,134	2,146	2,154	2,158	2,160	2,163

* Total net exports are the sum of all positive net exports and negative net imports.

Whole Milk Powder Trade

	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Net Exporters	(Thousand Metric Tons)										
Argentina	181	185	189	195	200	200	202	205	208	212	216
Australia	158	179	191	208	223	240	259	278	298	319	340
Canada	-7	-4	-4	-3	-3	-3	-3	-3	-4	-4	-4
Colombia	27	24	23	23	21	18	15	12	9	5	1
EU New Member States	40	38	37	37	37	37	38	37	37	37	37
European Union-15	654	613	594	589	596	600	601	597	594	594	591
New Zealand	613	627	674	695	710	725	743	760	777	794	812
Ukraine	19	19	18	18	17	17	17	16	16	16	16
Uruguay	14	12	24	27	31	34	38	42	46	49	53
Total Net Exports *	1,705	1,708	1,755	1,797	1,837	1,870	1,913	1,948	1,984	2,027	2,065
Net Importers											
Brazil	3	-12	-3	-5	-3	1	5	9	12	15	19
Bulgaria	2	2	2	2	2	2	2	2	2	2	2
China	38	19	28	32	33	37	47	43	31	25	13
Egypt	5	6	6	6	6	7	7	7	7	8	8
Indonesia	19	24	26	28	30	32	33	35	37	39	41
Malaysia	86	91	94	98	102	106	110	114	119	123	128
Mexico	29	29	33	35	38	42	45	48	51	55	58
Peru	6	7	7	7	8	8	9	9	10	10	11
Philippines	13	16	17	19	20	21	22	23	24	26	26
Romania	5	5	5	5	5	5	5	5	5	5	5
Russia	25	27	29	30	30	33	35	38	40	42	44
South Korea	0	0	0	0	0	0	0	0	1	1	1
Thailand	40	38	39	40	42	42	42	43	44	44	45
Venezuela	95	96	99	101	104	107	110	114	117	120	123
Vietnam	45	47	51	56	61	66	71	76	81	87	94
Rest of World	1,287	1,297	1,314	1,335	1,354	1,360	1,367	1,379	1,400	1,422	1,443
Total Net Imports	1,705	1,708	1,755	1,797	1,837	1,870	1,913	1,948	1,984	2,027	2,065
Price	(U.S. Dollars per Metric Ton)										
FOB Price N. Europe	2,290	2,069	2,132	2,233	2,245	2,243	2,282	2,303	2,318	2,339	2,344

* Total net exports are the sum of all positive net exports and negative net imports.

U.S. Dairy Supply and Utilization

	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
	(Thousand Head)										
Milk Cow Numbers	9,033	9,107	9,085	9,016	8,964	8,942	8,924	8,909	8,894	8,882	8,875
	(Kilograms)										
Milk Production per Cow	8,862	9,033	9,165	9,306	9,455	9,592	9,730	9,864	9,996	10,129	10,261
	(Thousand Metric Tons)										
Cow Milk Production	80,055	82,263	83,261	83,896	84,759	85,778	86,829	87,874	88,906	89,961	91,065
Fluid Milk Consumption	27,450	27,778	27,781	27,689	27,675	27,720	27,699	27,647	27,590	27,551	27,553
Other Disappearance	52,605	54,485	55,480	56,207	57,083	58,057	59,130	60,227	61,316	62,410	63,511
Butter											
Production	606	618	627	630	636	642	644	647	650	652	653
Total Supply	626	640	649	651	655	661	665	668	671	673	674
Consumption	619	633	643	648	653	660	665	669	673	677	679
Net Exports	-15	-15	-15	-16	-18	-19	-20	-22	-23	-24	-26
Ending Stocks	22	21	20	19	19	21	21	21	21	21	21
Shipments	0	0	0	0	0	0	0	0	0	0	0
Total Use	626	640	649	651	655	661	665	668	671	673	674
Cheese											
Production	4,129	4,287	4,353	4,410	4,478	4,554	4,623	4,690	4,757	4,825	4,897
Total Supply	4,451	4,613	4,695	4,755	4,826	4,908	4,983	5,055	5,128	5,201	5,278
Consumption	4,245	4,393	4,474	4,532	4,600	4,678	4,749	4,818	4,887	4,957	5,031
Net Exports	-120	-122	-124	-126	-128	-130	-131	-133	-135	-137	-139
Ending Stocks	326	342	345	348	353	360	365	371	376	381	386
Shipments	23	23	23	23	23	23	23	23	23	23	23
Total Use	4,451	4,613	4,695	4,755	4,826	4,908	4,983	5,055	5,128	5,201	5,278
Nonfat Dry Milk											
Production	540	600	651	685	723	760	811	864	916	968	1,020
Total Supply	772	675	698	734	772	809	861	916	969	1,023	1,076
Consumption	351	364	377	382	390	400	409	419	429	440	452
Net Exports	301	264	273	303	332	359	400	443	485	526	567
Shipments	2	0	0	0	0	0	0	0	0	0	0
Feed, Waste	45	0	0	0	0	0	0	0	0	0	0
Ending Stocks	74	47	48	49	49	50	52	53	55	56	58
Total Use	772	675	698	734	772	809	861	916	969	1,023	1,076
Prices	(U.S. Dollars per Metric Ton)										
All Milk	334	295	292	297	301	301	301	302	302	303	305
Butter Wholesale	3,415	3,045	2,853	2,897	2,943	2,907	2,907	2,905	2,920	2,958	2,983
Cheese Wholesale	3,291	2,904	2,882	2,929	2,972	2,980	2,988	2,992	2,995	3,008	3,027
Nonfat Dry Milk Wholesale	2,186	1,965	2,021	2,079	2,107	2,109	2,118	2,123	2,124	2,123	2,123

Australian Dairy Supply and Utilization

	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
	(Thousand Head)										
Milk Cow Numbers	2,043	2,050	2,056	2,072	2,096	2,122	2,151	2,182	2,215	2,249	2,284
	(Kilograms)										
Milk Production per Cow	5,183	5,309	5,383	5,462	5,535	5,609	5,686	5,763	5,840	5,917	5,993
	(Thousand Metric Tons)										
Cow Milk Production	10,589	10,885	11,068	11,316	11,602	11,904	12,228	12,573	12,933	13,307	13,690
Fluid Milk Consumption	2,092	2,117	2,132	2,145	2,167	2,180	2,193	2,205	2,217	2,229	2,241
Manufacturing Use	8,412	8,685	8,853	9,088	9,353	9,641	9,953	10,285	10,633	10,995	11,366
Butter											
Production	131	139	141	142	146	151	155	158	162	166	171
Total Supply	136	141	146	149	154	159	163	166	169	173	177
Consumption	59	59	59	59	59	59	59	60	60	60	60
Net Exports	75	77	81	82	87	91	96	99	103	107	111
Ending Stocks	2	5	7	8	8	8	8	7	7	6	6
Total Use	136	141	146	149	154	159	163	166	169	173	177
Cheese											
Production	386	406	422	438	455	475	495	515	535	554	574
Total Supply	424	429	439	457	473	492	511	530	548	567	585
Consumption	225	222	227	231	236	241	245	249	253	257	262
Net Exports	176	190	193	209	220	235	251	268	283	298	313
Ending Stocks	23	17	19	17	17	16	15	13	12	11	10
Total Use	424	429	439	457	473	492	511	530	548	567	585
Nonfat Dry Milk											
Production	190	203	205	200	201	204	205	204	206	206	208
Total Supply	194	207	212	208	206	207	210	210	210	210	210
Consumption	20	21	21	21	21	20	20	20	20	20	20
Net Exports	170	179	182	182	183	182	184	186	187	188	190
Ending Stocks	5	7	9	5	3	4	5	4	3	2	1
Total Use	194	207	212	208	206	207	210	210	210	210	210
Whole Milk Powder											
Production	191	206	219	236	252	269	289	308	329	351	372
Total Supply	227	249	262	279	295	312	332	351	372	394	415
Consumption	26	27	28	28	29	29	30	30	31	31	32
Net Exports	158	179	191	208	223	240	259	278	298	319	340
Ending Stocks	43	43	43	43	43	43	43	43	43	43	43
Total Use	227	249	262	279	295	312	332	351	372	394	415
Milk Farm Prices											
	(Australian Cents per Hectoliter)										
Fluid Milk Average	32	29	29	30	29	29	30	30	30	31	31
Retail Milk	175	162	162	165	153	153	155	156	157	158	158
Export Prices											
	(Australian Dollars per Metric Ton)										
Butter	2,870	2,480	2,493	2,536	2,514	2,520	2,565	2,608	2,646	2,684	2,713
Cheese	3,832	3,377	3,368	3,434	3,420	3,418	3,470	3,518	3,551	3,581	3,599
NFD	3,025	2,745	2,749	2,788	2,805	2,799	2,812	2,823	2,828	2,830	2,835
WMP	3,079	2,813	2,818	2,895	2,889	2,877	2,918	2,942	2,958	2,983	2,989

Brazilian Dairy Supply and Utilization

	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
	(Thousand Head)										
Milk Cow Numbers	15,100	15,050	14,982	14,870	14,749	14,616	14,489	14,386	14,308	14,247	14,200
	(Kilograms)										
Milk Production per Cow	1,591	1,640	1,700	1,762	1,823	1,886	1,949	2,012	2,075	2,139	2,202
	(Thousand Metric Tons)										
Cow Milk Production	24,025	24,675	25,472	26,199	26,893	27,560	28,235	28,947	29,696	30,472	31,271
Fluid Milk Consumption	13,175	13,318	13,635	13,935	14,288	14,642	15,000	15,362	15,737	16,117	16,510
Manufacturing Use	10,700	11,206	11,688	12,115	12,457	12,772	13,090	13,440	13,817	14,212	14,620
Butter											
Production	77	78	80	83	83	83	84	84	85	86	86
Total Supply	77	78	80	83	83	83	84	84	85	86	86
Consumption	77	78	79	81	82	83	85	86	88	89	91
Net Exports	0	-1	1	2	1	0	-1	-2	-3	-3	-4
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Total Use	77	78	80	83	83	83	84	84	85	86	86
Cheese											
Production	480	493	502	511	518	524	531	539	546	555	563
Total Supply	480	493	502	511	518	524	531	539	546	555	563
Consumption	476	490	498	506	516	526	537	547	559	570	582
Net Exports	4	3	4	5	2	-2	-6	-9	-12	-16	-19
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Total Use	480	493	502	511	518	524	531	539	546	555	563
Nonfat Dry Milk											
Production	113	118	120	123	126	129	131	134	138	142	147
Total Supply	113	118	120	123	126	129	131	134	138	142	147
Consumption	115	118	121	124	128	131	135	139	143	148	152
Net Exports	-2	-1	-1	-1	-1	-3	-4	-5	-6	-5	-5
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Total Use	113	118	120	123	126	129	131	134	138	142	147
Whole Milk Powder											
Production	440	460	472	483	492	500	509	518	527	538	548
Total Supply	451	471	480	491	500	508	517	526	535	546	556
Consumption	443	451	469	478	489	501	513	526	540	553	567
Net Exports	-3	12	3	5	3	-1	-5	-9	-12	-15	-19
Ending Stocks	11	8	8	8	8	8	8	8	8	8	8
Total Use	451	471	480	491	500	508	517	526	535	546	556

Canadian Dairy Supply and Utilization

	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
					(Thousand Head)						
Milk Cow Numbers	1,065	1,048	1,033	1,020	1,008	996	984	972	960	949	938
					(Kilograms)						
Milk Production per Cow	7,324	7,398	7,511	7,623	7,735	7,848	7,961	8,075	8,188	8,302	8,416
					(Thousand Metric Tons)						
Cow Milk Production	7,800	7,753	7,762	7,779	7,796	7,815	7,831	7,848	7,863	7,878	7,894
Fluid Milk Consumption	2,835	2,798	2,801	2,807	2,812	2,818	2,822	2,827	2,830	2,834	2,837
Manufacturing Use	4,503	4,500	4,513	4,529	4,547	4,565	4,582	4,600	4,616	4,633	4,650
Butter											
Production	88	90	91	93	94	95	96	97	98	98	99
Total Supply	102	101	101	103	104	105	106	107	108	109	110
Consumption	98	99	101	102	104	105	106	107	108	109	110
Net Exports	-7	-8	-10	-10	-10	-10	-10	-10	-11	-11	-11
Ending Stocks	11	10	10	10	10	10	11	11	11	11	11
Total Use	102	101	101	103	104	105	106	107	108	109	110
Cheese											
Production	307	308	312	317	322	326	331	336	340	345	350
Total Supply	366	365	369	374	379	384	389	394	399	404	409
Consumption	326	327	331	335	339	344	348	352	356	360	364
Net Exports	-17	-19	-19	-18	-18	-18	-17	-17	-16	-15	-14
Ending Stocks	57	57	57	58	58	58	59	59	59	59	60
Total Use	366	365	369	374	379	384	389	394	399	404	409
Nonfat Dry Milk											
Production	74	70	69	71	71	71	70	70	69	69	69
Total Supply	115	106	105	96	91	91	89	89	89	88	88
Consumption	79	73	72	71	70	69	68	67	65	64	63
Net Exports	0	-3	7	6	0	3	2	3	4	5	5
Ending Stocks	36	36	26	19	20	18	19	19	19	20	20
Total Use	115	106	105	96	91	91	89	89	89	88	88
Prices											
					(Canadian Dollars per Hectoliter)						
Industrial Milk, Target	63.27	63.66	64.04	64.43	64.81	65.20	65.60	65.99	66.42	66.85	67.28
Fluid Milk	70.69	71.04	71.39	71.74	72.10	72.46	72.82	73.18	73.57	73.96	74.35
					(Canadian Dollars per Kilogram)						
Butter Support	6.34	6.39	6.43	6.47	6.52	6.57	6.61	6.66	6.70	6.75	6.80
NFD Support	5.42	5.45	5.47	5.50	5.53	5.56	5.58	5.61	5.64	5.67	5.70

Chinese Dairy Supply and Utilization

	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
	(Thousand Head)										
Milk Cow Numbers	8,879	9,941	10,673	11,226	11,657	11,985	12,239	12,447	12,621	12,768	12,895
	(Kilograms)										
Milk Production per Cow	2,630	2,736	2,824	2,914	3,003	3,091	3,182	3,272	3,362	3,453	3,543
	(Thousand Metric Tons)										
Cow Milk Production	23,348	27,198	30,142	32,716	35,001	37,050	38,941	40,730	42,438	44,085	45,686
Fluid Milk Consumption	9,917	10,874	11,622	12,389	13,250	13,845	14,380	14,911	15,443	15,979	16,474
Manufacturing Use	16,455	19,188	21,272	22,983	24,327	25,716	27,017	28,226	29,358	30,430	31,500
Butter											
Production	91	94	96	98	100	103	105	107	109	111	113
Total Supply	91	94	96	98	100	103	105	107	109	111	113
Consumption	113	119	123	126	131	134	138	141	144	148	149
Net Exports	-22	-26	-27	-28	-30	-32	-33	-34	-35	-36	-36
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Total Use	91	94	96	98	100	103	105	107	109	111	113
Cheese											
Production	236	237	240	238	239	241	243	246	250	254	257
Total Supply	236	237	240	238	239	241	243	246	250	254	257
Consumption	258	267	272	277	285	292	299	306	313	320	325
Net Exports	-22	-30	-32	-39	-45	-51	-55	-60	-63	-66	-68
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Total Use	236	237	240	238	239	241	243	246	250	254	257
Nonfat Dry Milk											
Production	60	56	60	64	68	72	76	80	84	88	90
Total Supply	60	56	60	64	68	72	76	80	84	88	90
Consumption	115	111	116	121	126	131	136	141	146	151	155
Net Exports	-55	-54	-56	-57	-57	-58	-59	-61	-62	-63	-65
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Total Use	60	56	60	64	68	72	76	80	84	88	90
Whole Milk Powder											
Production	918	1,003	1,034	1,072	1,112	1,152	1,186	1,234	1,292	1,341	1,360
Total Supply	918	1,003	1,034	1,072	1,112	1,152	1,186	1,234	1,292	1,341	1,360
Consumption	956	1,021	1,062	1,103	1,145	1,188	1,232	1,277	1,323	1,367	1,373
Net Exports	-38	-19	-28	-32	-33	-37	-47	-43	-31	-25	-13
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Total Use	918	1,003	1,034	1,072	1,112	1,152	1,186	1,234	1,292	1,341	1,360

Indian Dairy Supply and Utilization

	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
	(Thousand Head)										
Milk Cow Numbers	37,750	38,377	39,023	39,560	40,036	40,464	40,866	41,265	41,668	42,073	42,481
	(Kilograms)										
Milk Production per Cow	1,013	1,017	1,031	1,035	1,039	1,043	1,047	1,052	1,058	1,063	1,068
	(Thousand Metric Tons)										
Cow Milk Production	38,250	39,024	40,229	40,931	41,594	42,206	42,806	43,429	44,076	44,723	45,383
Buffalo Milk Production	52,750	56,128	58,429	60,755	63,107	65,484	67,887	70,316	72,770	75,250	77,756
Total Milk Production	91,000	95,152	98,658	101,686	104,701	107,690	110,694	113,745	116,846	119,973	123,138
Fluid Milk Consumption	37,750	39,397	40,645	41,578	42,545	43,521	44,508	45,508	46,521	47,543	48,571
Manufacturing Use	53,250	55,755	58,013	60,107	62,156	64,169	66,186	68,236	70,325	72,430	74,567
Butter											
Production	2,788	3,113	3,254	3,376	3,501	3,631	3,762	3,894	4,028	4,164	4,302
Total Supply	2,788	3,113	3,254	3,376	3,501	3,631	3,762	3,894	4,028	4,164	4,302
Consumption	2,786	3,100	3,232	3,348	3,476	3,609	3,739	3,874	4,012	4,153	4,297
Net Exports	2	12	21	28	26	22	23	20	15	12	5
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Total Use	2,788	3,113	3,254	3,376	3,501	3,631	3,762	3,894	4,028	4,164	4,302
Nonfat Dry Milk											
Production	261	292	309	326	343	361	380	399	419	439	460
Total Supply	273	310	330	347	364	382	400	420	439	460	481
Consumption	245	270	279	294	309	325	342	359	376	394	412
Net Exports	10	19	30	32	34	36	38	40	43	46	49
Ending Stocks	18	21	21	21	21	21	21	21	21	21	21
Total Use	273	310	330	347	364	382	400	420	439	460	481

Japanese Dairy Supply and Utilization

	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
					(Thousand Head)						
Milk Cow Numbers	910	900	890	881	872	864	857	849	842	834	827
					(Kilograms)						
Milk Production per Cow	9,071	9,119	9,210	9,269	9,317	9,370	9,423	9,478	9,530	9,583	9,636
					(Thousand Metric Tons)						
Cow Milk Production	8,255	8,209	8,195	8,166	8,128	8,099	8,073	8,051	8,024	7,997	7,965
Fluid Milk Consumption	4,800	4,756	4,767	4,786	4,805	4,823	4,840	4,856	4,869	4,880	4,888
Manufacturing Use	3,370	3,369	3,345	3,298	3,241	3,195	3,153	3,116	3,076	3,039	3,000
Butter											
Production	80	79	78	78	77	76	75	74	73	73	72
Total Supply	103	104	103	103	102	101	100	99	98	98	97
Consumption	83	85	85	86	86	87	87	87	87	88	88
Net Exports	-5	-6	-7	-8	-10	-11	-12	-13	-14	-15	-16
Ending Stocks	25	25	25	25	25	25	25	25	25	25	25
Total Use	103	104	103	103	102	101	100	99	98	98	97
Cheese											
Production	37	40	41	42	42	42	43	45	46	48	49
Total Supply	52	55	56	57	57	57	58	60	61	63	64
Consumption	252	254	258	263	268	274	279	285	290	296	300
Net Exports	-215	-214	-217	-221	-227	-232	-236	-240	-244	-248	-251
Ending Stocks	15	15	15	15	15	15	15	15	15	15	15
Total Use	52	55	56	57	57	57	58	60	61	63	64
Nonfat Dry Milk											
Production	182	181	178	175	171	167	163	159	156	152	148
Total Supply	265	266	263	260	256	252	248	244	241	237	233
Consumption	205	201	197	195	193	191	189	187	185	183	181
Net Exports	-25	-20	-19	-21	-23	-24	-26	-28	-30	-31	-32
Ending Stocks	85	85	85	85	85	85	85	85	85	85	85
Total Use	265	266	263	260	256	252	248	244	241	237	233
Prices											
					(Yen per Kilogram)						
Milk Farm Price	83	83	82	81	81	80	80	79	79	79	79
Butter Wholesale	978	963	940	927	917	910	907	906	908	910	912
NFD Wholesale	550	544	534	529	526	523	521	520	520	519	519
Cheese Retail	2,108	2,189	2,206	2,212	2,206	2,193	2,182	2,176	2,173	2,173	2,174

Mexican Dairy Supply and Utilization

	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
	(Thousand Head)										
Milk Cow Numbers	2,200	2,200	2,197	2,195	2,192	2,191	2,190	2,191	2,192	2,193	2,195
	(Kilograms)										
Milk Production per Cow	4,574	4,674	4,702	4,769	4,842	4,903	4,965	5,033	5,103	5,169	5,236
	(Thousand Metric Tons)										
Cow Milk Production	10,063	10,284	10,331	10,469	10,614	10,743	10,875	11,028	11,185	11,337	11,495
Fluid Milk Consumption	4,468	4,612	4,684	4,758	4,879	5,004	5,116	5,221	5,352	5,485	5,623
Manufacturing Use	5,820	5,899	5,874	5,938	5,961	5,966	5,986	6,034	6,060	6,079	6,100
Butter											
Production	89	92	93	94	95	96	97	98	99	100	101
Total Supply	89	92	93	94	95	96	97	98	99	100	101
Consumption	144	147	150	153	155	158	161	164	167	171	175
Net Exports	-55	-56	-57	-59	-60	-62	-64	-66	-68	-71	-74
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Total Use	89	92	93	94	95	96	97	98	99	100	101
Cheese											
Production	136	136	138	149	153	156	160	166	169	171	173
Total Supply	136	136	138	149	153	156	160	166	169	171	173
Consumption	219	221	228	233	237	241	246	253	257	263	269
Net Exports	-83	-85	-90	-84	-84	-86	-86	-86	-88	-92	-96
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Total Use	136	136	138	149	153	156	160	166	169	171	173
Nonfat Dry Milk											
Production	18	23	25	26	28	30	31	32	33	34	36
Total Supply	43	48	50	51	53	55	56	57	58	59	61
Consumption	191	194	198	201	205	210	215	219	224	229	235
Net Exports	-173	-172	-173	-175	-177	-180	-184	-188	-191	-195	-199
Ending Stocks	25	25	25	25	25	25	25	25	25	25	25
Total Use	43	48	50	51	53	55	56	57	58	59	61
Whole Milk Powder											
Production	116	118	117	117	117	116	116	116	115	115	114
Total Supply	116	118	117	117	117	116	116	116	115	115	114
Consumption	146	146	149	152	155	158	161	164	167	170	173
Net Exports	-29	-29	-33	-35	-38	-42	-45	-48	-51	-55	-58
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Total Use	116	118	117	117	117	116	116	116	115	115	114

New Zealand Dairy Supply and Utilization

	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
	(Thousand Head)										
Milk Cow Numbers	3,985	4,009	4,033	4,057	4,081	4,104	4,126	4,150	4,174	4,197	4,220
	(Kilograms)										
Milk Production per Cow	3,576	3,528	3,651	3,696	3,740	3,782	3,826	3,871	3,915	3,958	4,002
	(Thousand Metric Tons)										
Cow Milk Production	14,250	14,142	14,724	14,993	15,262	15,521	15,789	16,065	16,339	16,613	16,886
Fluid Milk Consumption	360	363	364	365	366	368	370	372	374	376	377
Manufacturing Use	13,793	13,682	14,262	14,530	14,797	15,053	15,319	15,593	15,865	16,137	16,408
Butter											
Production	338	336	335	339	342	346	350	355	360	364	369
Total Supply	373	385	384	388	391	395	399	404	409	413	418
Consumption	26	26	25	25	25	25	25	25	25	25	25
Net Exports	298	310	310	314	317	321	325	330	335	339	344
Ending Stocks	49	49	49	49	49	49	49	49	49	49	49
Total Use	373	385	384	388	391	395	399	404	409	413	418
Cheese											
Production	298	284	328	338	350	361	372	383	395	406	417
Total Supply	330	315	359	369	381	392	403	414	426	437	448
Consumption	28	31	32	33	33	34	35	36	37	38	38
Net Exports	271	253	296	306	317	327	337	348	358	368	378
Ending Stocks	31	31	31	31	31	31	31	31	31	31	31
Total Use	330	315	359	369	381	392	403	414	426	437	448
Nonfat Dry Milk											
Production	240	239	241	241	242	242	243	245	246	248	250
Total Supply	308	319	321	321	322	322	323	325	326	328	330
Consumption	5	6	6	6	6	6	6	6	7	7	7
Net Exports	223	233	235	235	236	236	237	238	240	241	243
Ending Stocks	80	80	80	80	80	80	80	80	80	80	80
Total Use	308	319	321	321	322	322	323	325	326	328	330
Whole Milk Powder											
Production	646	662	676	696	712	727	746	762	779	797	813
Total Supply	732	780	828	849	864	881	900	917	935	953	970
Consumption	1	1	1	1	2	2	2	2	2	2	2
Net Exports	613	627	674	695	710	725	743	760	777	794	812
Ending Stocks	118	152	153	152	153	154	155	156	156	157	156
Total Use	732	780	828	849	864	881	900	917	935	953	970

Russian Dairy Supply and Utilization

	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
					(Thousand Head)						
Milk Cow Numbers	10,430	9,770	9,416	9,384	9,358	9,302	9,229	9,164	9,119	9,087	9,068
					(Kilograms)						
Milk Production per Cow	2,991	3,276	3,377	3,429	3,484	3,537	3,593	3,653	3,715	3,776	3,838
					(Thousand Metric Tons)						
Cow Milk Production	31,200	32,008	31,795	32,175	32,602	32,900	33,156	33,474	33,880	34,314	34,803
Fluid Milk Consumption	12,450	12,416	12,414	12,389	12,386	12,400	12,402	12,398	12,389	12,380	12,372
Manufacturing Use	16,000	17,023	16,909	17,323	17,760	18,060	18,334	18,674	19,101	19,553	20,054
Butter											
Production	270	272	274	279	285	290	295	300	306	312	319
Total Supply	285	287	289	295	300	306	311	316	322	329	336
Consumption	415	435	439	443	448	453	457	462	466	470	475
Net Exports	-145	-162	-165	-164	-163	-163	-163	-163	-161	-159	-157
Ending Stocks	15	15	15	16	16	16	16	17	17	17	18
Total Use	285	287	289	295	300	306	311	316	322	329	336
Cheese											
Production	355	359	358	362	368	371	373	376	381	385	390
Total Supply	367	371	370	374	380	383	385	388	393	397	402
Consumption	560	569	578	585	595	606	615	625	634	643	652
Net Exports	-205	-210	-220	-223	-228	-235	-242	-248	-253	-258	-262
Ending Stocks	12	12	12	12	12	12	12	12	12	12	12
Total Use	367	371	370	374	380	383	385	388	393	397	402
Nonfat Dry Milk											
Production	110	119	119	121	125	129	132	136	140	145	150
Total Supply	110	119	119	121	125	129	132	136	140	145	150
Consumption	155	164	168	171	174	178	182	186	189	193	196
Net Exports	-45	-45	-49	-49	-49	-49	-50	-50	-49	-48	-46
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Total Use	110	119	119	121	125	129	132	136	140	145	150
Whole Milk Powder											
Production	85	89	89	90	91	92	92	92	93	94	95
Total Supply	85	89	89	90	91	92	92	92	93	94	95
Consumption	110	116	118	119	122	125	127	130	133	136	139
Net Exports	-25	-27	-29	-30	-30	-33	-35	-38	-40	-42	-44
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Total Use	85	89	89	90	91	92	92	92	93	94	95

Swiss Dairy Supply and Utilization

	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
					(Thousand Head)						
Milk Cow Numbers	695	708	711	715	717	715	712	710	709	709	710
					(Kilograms)						
Milk Production per Cow	5,694	5,744	5,760	5,794	5,825	5,847	5,872	5,901	5,934	5,966	5,998
					(Thousand Metric Tons)						
Cow Milk Production	3,956	4,068	4,098	4,140	4,174	4,179	4,180	4,189	4,208	4,231	4,258
Fluid Milk Consumption	701	702	702	699	695	690	686	683	679	675	671
Manufacturing Use	2,585	2,696	2,725	2,770	2,808	2,818	2,823	2,836	2,858	2,885	2,916
Butter											
Production	42	43	44	44	45	45	45	45	45	45	46
Total Supply	48	49	50	50	51	51	51	51	51	52	52
Consumption	46	47	47	48	47	47	47	47	47	47	47
Net Exports	-4	-4	-4	-3	-3	-2	-2	-2	-2	-2	-2
Ending Stocks	6	6	6	6	6	6	6	6	6	6	6
Total Use	48	49	50	50	51	51	51	51	51	52	52
Cheese											
Production	170	182	189	194	199	200	200	201	203	205	208
Total Supply	186	198	205	210	215	216	216	217	219	221	224
Consumption	131	134	136	137	137	137	137	138	139	139	140
Net Exports	39	48	53	58	62	63	63	64	65	66	68
Ending Stocks	16	16	16	16	16	16	16	16	16	16	16
Total Use	186	198	205	210	215	216	216	217	219	221	224
Nonfat Dry Milk											
Production	31	31	32	32	32	32	32	32	33	33	34
Total Supply	31	31	32	32	32	32	32	32	33	33	34
Consumption	17	17	17	17	17	17	17	17	17	18	18
Net Exports	14	14	15	15	15	15	15	15	15	16	16
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Total Use	31	31	32	32	32	32	32	32	33	33	34

Per Capita Dairy Consumption of Selected Countries (continued)

	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Switzerland	(Kilograms)										
Fluid Milk	93.6	93.3	92.9	92.2	91.3	90.5	89.8	89.2	88.5	87.9	87.2
Butter	6.1	6.2	6.3	6.3	6.2	6.2	6.2	6.2	6.2	6.2	6.2
Cheese	17.5	17.8	18.0	18.0	18.0	17.9	17.9	18.0	18.1	18.1	18.2
NFD Milk	2.2	2.2	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
Thailand											
Fluid Milk	12.5	12.9	13.2	13.7	14.1	14.6	15.1	15.7	16.2	16.8	17.4
Butter	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3
Cheese	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
NFD Milk	1.3	1.3	1.4	1.4	1.4	1.4	1.5	1.5	1.5	1.6	1.6
Whole Milk Powder	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.7
Ukraine											
Fluid Milk	91.9	89.3	92.2	94.4	96.7	98.7	100.6	102.4	104.4	106.4	108.4
Butter	2.3	2.5	2.6	2.7	2.8	2.8	2.9	3.0	3.1	3.1	3.2
Cheese	3.4	3.5	3.7	3.8	3.9	4.0	4.1	4.2	4.3	4.4	4.5
NFD Milk	0.3	0.4	0.4	0.5	0.5	0.6	0.6	0.7	0.7	0.8	0.8
Whole Milk Powder	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
United States											
Total Fluid Milk	92.8	93.1	92.3	91.1	90.3	89.7	88.8	87.9	87.0	86.1	85.4
Butter	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
Cheese	14.4	14.7	14.9	14.9	15.0	15.1	15.2	15.3	15.4	15.5	15.6
NFD Milk	1.2	1.2	1.3	1.3	1.3	1.3	1.3	1.3	1.4	1.4	1.4
Uruguay											
Fluid Milk	108.8	114.2	114.8	115.2	116.7	117.8	118.5	119.3	120.3	121.2	122.3
Butter	1.3	1.5	1.5	1.6	1.6	1.6	1.7	1.7	1.7	1.7	1.8
Cheese	2.7	2.8	2.9	2.9	2.9	2.9	3.0	3.0	3.0	3.0	3.1
NFD Milk	0.7	0.8	0.8	0.8	0.9	0.9	0.9	0.9	0.9	0.9	1.0
Whole Milk Powder	1.1	1.2	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.3
Venezuela											
Fluid Milk	8.5	9.0	9.1	9.0	9.1	9.1	9.1	9.1	9.1	9.1	9.1
Butter	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Cheese	3.0	3.2	3.2	3.2	3.3	3.3	3.3	3.4	3.4	3.4	3.5
NFD Milk	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Whole Milk Powder	4.7	4.8	4.9	4.9	4.9	5.0	5.0	5.1	5.2	5.2	5.3
Vietnam											
Fluid Milk	1.9	2.1	2.1	2.2	2.2	2.3	2.4	2.4	2.5	2.5	2.6
Butter	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Cheese	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NFD Milk	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.6
Whole Milk Powder	0.5	0.6	0.6	0.6	0.7	0.8	0.8	0.8	0.9	1.0	1.0