
WORLD DAIRY PRODUCTS

World Butter and Cheese

Because of high feed costs, strong global demand, and limited growth in supplies from major exporters, world butter and cheese, NFD, and WMP prices increased by 65.8%, 50.0%, 95.3%, and 90.6%, respectively, in 2007, to set record-breaking levels. Strong prices encourage production growth in many countries. World dairy prices taper in the mid-term. Strong economic growth and population growth favor higher dairy demand, which puts upward pressure on dairy prices in the long term.

New Zealand, the EU, and Australia remain the world's largest butter exporters, supplying 90% of total butter trade at the end of the baseline. As New Zealand and Australian butter exports rise, EU net exports stagnate. A more abundant milk supply enables Brazil to generate substantial exportable surpluses of dairy products. Brazil exports a small amount of butter during the baseline.

Driven by rapidly growing domestic demand and strong world prices, Indian butter production increases 2.4 mmt over the baseline, accounting for about 88.9% of growth in total world butter production. Indian butter exports reach a record at the mid-term of the baseline and then decrease as more production is absorbed by domestic markets.

Russia, a leading importer in the world butter market, gradually increases its butter production and consumption. As the growth in consumption outpaces the growth in production, Russian butter imports increase throughout the baseline. Driven by economic growth and Westernized diets, steady growth occurs in Asia, especially in China. Total butter imports into China, Japan, South Korea, and Southeast Asia increase 62% over the baseline. Egypt increases its imports by 3.1%, while Mexico's butter imports remain stable.

Total cheese production grows 22.3%, with the U.S. and the EU accounting for over 64%. Because of an increase in milk quotas, EU milk production increases to reflect the new quota level. EU milk production averages 142.6 mmt during the projection period. Because of higher returns from cheese production, and restricted milk supply, more milk is diverted from butter and NFD into cheese production. Cheese production rises 16.6% over the baseline, while butter and NFD production levels decrease. Both butter and NFD prices remain above the intervention prices but with a decreasing trend.

Australian and New Zealand cheese production levels increase 3% and 2.5% annually, respectively. Strong demand drives a 25.4% increase in world cheese trade over the decade. EU cheese exports stagnate because of strong domestic demand. In the meantime, Australia and New Zealand's combined cheese market share increases by 2% and reaches 42.9% at the end of the baseline. Argentina and Ukraine become increasingly important players in international cheese markets, together accounting for 13.1% of total exports by 2017.

Russia and Japan are the leading cheese importers, accounting for roughly 41.3% of total world imports. They steadily increase their cheese imports throughout the baseline. Sustained by economic and population growth, cheese imports of other Asian countries (China, Indonesia, Malaysia, Philippines, South Korea, Thailand, and Vietnam) increase by 5.6% annually. Mexican cheese imports rise 26.5% over the baseline.

Butter Trade

	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Net Exporters	(Thousand Metric Tons)										
Argentina	3	3	2	2	1	2	2	3	3	4	5
Australia	62	55	52	52	57	62	66	69	72	77	82
Canada	3	-2	1	1	2	3	4	4	5	6	7
Colombia	6	9	8	7	6	5	4	3	2	2	1
European Union	172	161	153	154	156	161	162	164	162	161	158
India	-1	3	4	7	10	7	7	5	3	1	1
New Zealand	399	403	408	411	413	417	421	424	428	431	435
Ukraine	8	7	11	14	15	18	22	25	28	32	35
Uruguay	13	14	14	14	16	16	17	18	19	20	22
Total Net Exports *	684	675	679	698	712	715	714	717	726	736	748
Net Importers											
Algeria	14	16	17	17	18	18	19	19	20	21	22
Brazil	0	0	-1	-1	-2	-2	-2	-2	-2	-2	-2
China	30	33	38	41	43	46	48	50	52	54	56
Egypt	49	54	55	58	60	61	62	64	65	66	67
Indonesia	11	11	12	12	12	13	13	13	14	14	14
Japan	9	7	8	9	10	12	12	13	14	14	15
Malaysia	10	10	11	12	12	12	13	13	14	14	15
Mexico	50	46	49	50	50	50	49	50	50	50	51
Peru	0	1	1	1	2	2	2	2	2	2	2
Philippines	10	10	11	11	11	12	12	12	12	13	13
Russia	125	126	133	137	141	144	146	148	153	157	162
Saudi Arabia	36	36	38	41	43	44	43	43	43	43	43
South Korea	4	1	3	3	4	5	5	5	5	4	4
Switzerland	4	4	4	4	4	3	3	3	2	2	2
Thailand	14	15	16	16	17	17	18	19	19	20	20
United States	-18	-19	-26	-34	-34	-22	-8	-1	4	7	10
Venezuela	2	2	2	2	3	3	3	3	3	3	3
Vietnam	5	6	7	8	8	9	9	10	10	11	11
Rest of World	309	294	276	276	274	266	257	250	244	242	237
Total Net Imports	684	675	679	698	712	715	714	717	726	736	748
Price	(U.S. Dollars per Metric Ton)										
Oceania Export Price	2,938	2,667	2,477	2,387	2,305	2,296	2,286	2,301	2,321	2,372	2,385
FOB Price N. Europe	3,979	3,515	3,189	3,035	2,895	2,879	2,862	2,887	2,922	3,008	3,031

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

Cheese Trade

	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Net Exporters	(Thousand Metric Tons)										
Argentina	43	55	56	62	65	70	73	72	73	78	82
Australia	141	138	146	152	161	169	176	184	190	197	205
Colombia	5	6	7	8	8	8	9	10	10	11	11
European Union	495	516	522	525	522	520	519	517	515	513	509
New Zealand	297	300	300	304	313	322	332	343	351	360	371
Switzerland	19	20	20	20	20	20	21	21	21	20	20
Ukraine	55	60	67	77	77	75	75	77	83	89	94
Uruguay	15	17	18	19	22	23	24	25	26	27	28
Total Net Exports *	1,071	1,120	1,145	1,176	1,198	1,219	1,243	1,267	1,289	1,316	1,343
Net Importers											
Algeria	21	23	25	27	28	29	31	32	34	35	37
Brazil	-2	-7	-8	-10	-11	-13	-16	-19	-20	-21	-23
Canada	17	16	17	17	17	17	18	18	18	18	18
China	46	49	46	48	52	56	61	65	71	78	85
Egypt	5	4	5	8	11	11	9	7	12	15	17
Indonesia	8	9	9	9	10	10	10	11	11	11	12
Japan	215	216	219	222	226	229	232	235	237	239	240
Malaysia	7	8	9	9	10	10	10	11	11	12	12
Mexico	86	90	95	98	99	102	102	105	106	108	109
Peru	5	5	7	8	8	9	9	9	10	10	10
Philippines	7	9	10	10	10	11	11	12	12	12	13
Russia	240	255	265	272	278	280	286	294	297	307	314
Saudi Arabia	81	83	84	86	89	91	93	95	97	98	100
South Korea	47	50	53	58	62	66	69	71	74	75	76
Thailand	2	2	3	3	3	3	3	4	4	4	4
United States	81	99	105	111	113	115	117	119	121	123	125
Venezuela	6	9	12	11	11	12	13	13	14	15	16
Vietnam	1	1	1	1	1	1	1	2	2	2	2
Rest of World	196	192	182	175	169	168	167	167	160	154	153
Total Net Imports	1,071	1,120	1,145	1,176	1,198	1,219	1,243	1,267	1,289	1,316	1,343
Price	(U.S. Dollars per Metric Ton)										
Oceania Export Price	4,022	3,889	3,732	3,698	3,626	3,586	3,569	3,596	3,598	3,638	3,664
FOB Price N. Europe	4,245	4,100	3,929	3,892	3,813	3,770	3,752	3,781	3,783	3,827	3,855

* 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 21.7%, with the greatest gains occurring in the U.S., which comprises almost half of the growth. Excluding the EU, WMP production grows in most countries, increasing a total of 19.7%. Stimulated by strong import demand, especially from Asia, Australian and New Zealand NFD and WMP production levels increase steadily in the next decade.

Australia, New Zealand, the EU, and the U.S. captured about 84.5% of the NFD export market in 2007. Their combined market share stays at around 81% over the baseline, as there is a slight increase in NFD exports from other countries. Along with Asian countries, Algeria and Mexico are major importers and increase their annual imports by 4.5% and 2.3%, respectively.

WMP trade grows 11.1% over the baseline. While EU WMP exports decrease by 3.9%, Australia, New Zealand, and Argentina expand their exports, respectively, by 48.6%, 37.2%, and 9.9%. These three countries capture almost all of the increase in WMP exports. Major importers Algeria, Saudi Arabia, and Venezuela expand their WMP imports by 9.9%, 42.2%, and 17.1%, respectively.

As Argentina's economy recovers and world prices stay strong, the Argentine dairy sector expands over the baseline. Its NFD and WMP production levels increase 4.9% and 4.8% annually, respectively. And its dairy exports increase significantly, especially WMP. Improved domestic economic conditions and favorable government policies boost Brazilian dairy production. NFD and WMP production levels increase 50.3%, and 36.9%, respectively, during the projection period, which enables Brazil to become a rising exporter in the world markets.

Southeast Asia (Indonesia, Malaysia, Philippines, Thailand, and Vietnam) increases its share of NFD imports from 36.6% in 2007 to 40.8% in 2017. China and Japan together account for about 7% of the NFD import market by the end of the baseline. East Asian WMP imports rise 4.5% annually throughout the baseline and account for about 20% of world imports by 2017. China exported WMP in 2007, and its exports decline in the near term. Over the long run, as domestic WMP production expands and as consumers substitute more fluid milk for reconstituted milk powder, Chinese WMP exports increase slightly.

Nonfat Dry Milk Trade

	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Net Exporters	(Thousand Metric Tons)										
Argentina	12	14	14	14	14	15	15	16	17	19	20
Australia	170	160	152	146	143	143	145	148	152	159	167
Canada	5	5	7	6	7	8	8	9	10	11	12
Colombia	4	5	5	4	4	3	3	3	3	2	0
European Union	145	131	123	121	124	126	129	131	133	136	137
India	58	78	80	85	86	86	87	89	90	92	93
New Zealand	316	321	326	332	334	336	342	347	353	358	363
Switzerland	10	9	9	9	9	9	9	9	9	9	9
Ukraine	60	62	64	65	67	68	70	72	74	76	78
United States	270	279	303	343	366	393	402	412	421	436	457
Uruguay	15	16	16	17	18	19	20	21	23	24	25
Total Net Exports *	1,065	1,083	1,103	1,149	1,183	1,222	1,248	1,276	1,306	1,343	1,385
Net Importers											
Algeria	55	60	63	67	70	72	74	77	80	82	85
Brazil	-1	-3	-5	-8	-12	-16	-19	-20	-22	-23	-23
China	38	35	39	42	43	44	44	45	48	53	58
Egypt	30	32	33	34	35	36	36	37	38	39	40
Indonesia	142	148	157	163	170	177	181	186	190	195	199
Japan	32	33	33	33	35	36	38	38	39	39	39
Malaysia	55	58	61	65	68	71	74	77	79	82	85
Mexico	192	195	206	213	219	227	231	235	237	238	242
Peru	5	5	6	7	7	8	8	8	8	9	9
Philippines	80	87	94	96	99	101	104	106	108	110	112
Russia	35	42	48	50	52	51	50	48	46	45	45
Saudi Arabia	22	25	29	31	33	34	35	37	38	40	41
South Korea	7	7	8	9	10	10	10	10	9	8	8
Thailand	93	95	96	98	101	103	105	108	111	113	116
Venezuela	5	6	7	7	7	7	7	7	7	8	8
Vietnam	21	27	31	34	37	39	41	44	46	49	51
Rest of World	253	228	193	200	199	205	209	215	222	234	246
Total Net Imports	1,065	1,083	1,103	1,149	1,183	1,222	1,248	1,276	1,306	1,343	1,385
Price	(U.S. Dollars per Metric Ton)										
Oceania Export Price	4,316	3,499	3,182	3,060	2,964	2,894	2,903	2,926	2,958	3,014	3,041
FOB Price N. Europe	4,436	3,750	3,485	3,382	3,302	3,243	3,251	3,270	3,297	3,343	3,366

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

Whole Milk Powder Trade

	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Net Exporters	(Thousand Metric Tons)										
Argentina	94	96	99	101	103	106	111	119	127	133	140
Australia	120	116	111	108	112	116	123	133	145	154	164
Canada	0	0	0	0	0	0	0	0	0	0	0
Colombia	47	57	50	43	34	27	21	16	11	5	-2
European Union	392	383	373	376	372	373	374	375	375	378	377
New Zealand	680	689	694	707	711	716	722	728	736	741	748
Ukraine	21	23	24	26	27	29	31	33	35	37	39
Uruguay	27	19	16	16	21	22	24	26	28	31	33
Total Net Exports *	1,396	1,406	1,387	1,397	1,403	1,421	1,442	1,470	1,499	1,525	1,551
Net Importers											
Algeria	175	181	183	183	185	186	187	189	190	191	192
Brazil	-7	-13	-15	-18	-19	-23	-26	-28	-31	-34	-35
China	-8	-9	-5	-3	-4	-7	-10	-11	-12	-14	-15
Egypt	35	38	40	43	45	47	49	50	52	54	56
Indonesia	27	28	33	36	39	41	44	46	47	49	51
Malaysia	93	97	101	104	107	110	112	114	117	119	121
Mexico	34	34	35	35	40	43	45	47	49	51	54
Peru	9	12	14	15	17	18	19	19	20	21	22
Philippines	10	12	13	14	16	17	19	21	22	24	26
Russia	20	25	30	32	35	37	38	38	38	38	38
Saudi Arabia	90	99	110	114	119	121	122	124	126	127	128
South Korea	2	2	2	3	3	3	3	4	4	4	4
Thailand	40	41	42	44	45	46	47	49	50	51	52
Venezuela	95	98	100	101	103	105	107	108	109	110	112
Vietnam	33	39	44	47	49	52	54	57	59	62	65
Rest of World	732	700	638	626	602	596	597	605	615	623	627
Total Net Imports	1,396	1,406	1,387	1,397	1,403	1,421	1,442	1,470	1,499	1,525	1,551
Price	(U.S. Dollars per Metric Ton)										
Oceania Export Price	4,167	3,526	3,177	3,092	2,989	2,939	2,935	2,958	2,984	3,049	3,089
FOB Price N. Europe	4,624	3,897	3,502	3,406	3,289	3,233	3,228	3,254	3,283	3,357	3,402

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

U.S. Dairy Supply and Utilization

	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
	(Thousand Head)										
Milk Cow Numbers	9,153	9,245	9,186	9,187	9,195	9,199	9,196	9,184	9,171	9,161	9,156
	(Kilograms)										
Milk Production per Cow	9,198	9,306	9,468	9,622	9,765	9,902	10,026	10,150	10,275	10,398	10,521
	(Thousand Metric Tons)										
Cow Milk Production	84,186	86,036	86,968	88,397	89,789	91,094	92,199	93,220	94,228	95,257	96,336
Fluid Milk Consumption	27,842	27,458	27,518	27,616	27,758	27,847	27,891	27,891	27,893	27,898	27,913
Other Disappearance	56,345	58,578	59,450	60,781	62,031	63,247	64,308	65,329	66,335	67,358	68,423
Butter											
Production	699	709	720	742	748	753	749	747	744	742	741
Beginning Stocks	49	64	67	65	66	66	66	67	66	66	66
Domestic Supply	748	772	787	807	813	819	816	814	810	808	807
Consumption	666	686	696	707	713	731	741	747	748	748	751
Shipments	0	0	0	0	0	0	0	0	0	0	0
Ending Stocks	64	67	65	66	66	66	67	66	66	66	66
Domestic Use	730	753	762	773	780	798	808	813	815	815	817
Net Trade	18	19	26	34	34	22	8	1	-4	-7	-10
Cheese											
Production	4,385	4,573	4,644	4,742	4,847	4,946	5,047	5,140	5,234	5,326	5,418
Beginning Stocks	371	368	393	395	402	409	417	425	431	438	444
Domestic Supply	4,756	4,942	5,038	5,137	5,249	5,356	5,464	5,565	5,665	5,764	5,862
Consumption	4,468	4,647	4,748	4,847	4,953	5,054	5,157	5,253	5,349	5,443	5,537
Shipments	31	31	31	31	31	31	31	31	31	31	31
Ending Stocks	368	393	395	402	409	417	425	431	438	444	449
Domestic Use	4,868	5,071	5,174	5,280	5,393	5,502	5,612	5,715	5,817	5,918	6,018
Net Trade	-81	-99	-105	-111	-113	-115	-117	-119	-121	-123	-125
Nonfat Dry Milk											
Production	670	691	722	775	813	854	878	905	931	964	1,003
Beginning Stocks	49	71	74	75	77	78	79	79	80	80	81
Domestic Supply	718	763	797	850	890	932	957	985	1,011	1,044	1,084
Consumption	377	410	419	431	446	460	476	493	510	528	545
Shipments	0	0	0	0	0	0	0	0	0	0	0
Ending Stocks	71	74	75	77	78	79	79	80	80	81	82
Domestic Use	448	484	493	508	524	539	556	573	591	608	626
Net Trade	270	279	303	343	366	393	402	412	421	436	457
Prices											
	(U.S. Dollars per Metric Ton)										
All Milk	422	368	368	368	368	368	365	365	366	368	371
Butter Wholesale	3,016	2,589	2,591	2,608	2,678	2,744	2,728	2,765	2,812	2,817	2,784
Cheese Wholesale	3,875	3,524	3,519	3,536	3,544	3,560	3,544	3,544	3,558	3,586	3,623
Nonfat Dry Milk Wholesale	3,977	3,367	3,381	3,353	3,282	3,237	3,183	3,144	3,123	3,137	3,174

Algerian Dairy Supply and Utilization

	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
					(Thousand Head)						
Milk Cow Numbers	1,025	1,041	1,053	1,084	1,116	1,152	1,184	1,206	1,222	1,244	1,272
					(Kilograms)						
Milk Production per Cow	1,329	1,344	1,359	1,374	1,389	1,404	1,419	1,434	1,449	1,464	1,479
					(Thousand Metric Tons)						
Cow Milk Production	1,362	1,399	1,430	1,489	1,550	1,617	1,680	1,729	1,771	1,821	1,882
Fluid Milk Consumption	1,327	1,360	1,393	1,427	1,461	1,496	1,531	1,567	1,603	1,639	1,676
Manufacturing Use	121	124	125	126	127	128	129	130	130	131	132
Butter											
Production	0	0	0	0	0	0	0	0	0	0	0
Beginning Stocks	1	0	0	0	0	0	0	0	0	0	0
Domestic Supply	1	0	0	0	0	0	0	0	0	0	0
Consumption	15	16	17	17	18	18	19	19	20	21	22
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	15	16	17	17	18	18	19	19	20	21	22
Net Trade	-14	-16	-17	-17	-18	-18	-19	-19	-20	-21	-22
Cheese											
Production	13	14	14	14	14	14	14	14	14	14	15
Beginning Stocks	1	1	1	1	1	1	1	1	1	1	1
Domestic Supply	14	15	15	15	15	15	15	15	15	15	16
Consumption	35	37	39	40	42	43	45	46	48	50	51
Ending Stocks	1	1	1	1	1	1	1	1	1	1	1
Domestic Use	36	38	40	41	43	44	46	47	49	51	52
Net Trade	-21	-23	-25	-27	-28	-29	-31	-32	-34	-35	-37
Nonfat Dry Milk											
Production	0	0	0	0	0	0	0	0	0	0	0
Beginning Stocks	8	8	8	8	8	8	8	8	8	8	8
Domestic Supply	8	8	8	8	8	8	8	8	8	8	8
Consumption	55	60	63	67	70	72	74	77	80	82	85
Ending Stocks	8	8	8	8	8	8	8	8	8	8	8
Domestic Use	63	68	71	75	78	80	82	85	88	90	93
Net Trade	-55	-60	-63	-67	-70	-72	-74	-77	-80	-82	-85
Whole Milk Powder											
Production	0	0	0	0	0	0	0	0	0	0	0
Beginning Stocks	18	13	13	13	13	13	13	13	13	13	13
Domestic Supply	18	13	13	13	13	13	13	13	13	13	13
Consumption	180	181	183	183	185	186	187	189	190	191	192
Ending Stocks	13	13	13	13	13	13	13	13	13	13	13
Domestic Use	193	194	196	196	198	199	200	202	203	204	205
Net Trade	-175	-181	-183	-183	-185	-186	-187	-189	-190	-191	-192

Argentine Dairy Supply and Utilization

	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
	(Thousand Head)										
Milk Cow Numbers	2,150	2,171	2,188	2,205	2,225	2,249	2,278	2,313	2,353	2,398	2,447
	(Kilograms)										
Milk Production per Cow	4,372	4,652	4,717	4,782	4,847	4,912	4,977	5,042	5,107	5,172	5,237
	(Thousand Metric Tons)										
Cow Milk Production	9,400	10,098	10,320	10,547	10,786	11,045	11,336	11,661	12,015	12,404	12,816
Fluid Milk Consumption	2,000	2,070	2,158	2,230	2,298	2,366	2,434	2,503	2,575	2,649	2,728
Manufacturing Use	7,391	8,019	8,152	8,308	8,479	8,670	8,893	9,149	9,431	9,746	10,079
Butter											
Production	47	48	50	51	52	54	55	57	58	60	62
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	47	48	50	51	52	54	55	57	58	60	62
Consumption	44	45	48	50	51	52	53	54	55	56	57
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	44	45	48	50	51	52	53	54	55	56	57
Net Trade	3	3	2	2	1	2	2	3	3	4	5
Cheese											
Production	475	515	536	562	584	603	619	636	655	677	699
Beginning Stocks	32	24	24	24	24	24	24	24	24	24	24
Domestic Supply	507	539	560	586	608	627	643	660	679	701	723
Consumption	440	460	480	500	519	533	547	563	581	599	617
Ending Stocks	24	24	24	24	24	24	24	24	24	24	24
Domestic Use	464	484	504	524	543	557	571	587	605	623	641
Net Trade	43	55	56	62	65	70	73	72	73	78	82
Nonfat Dry Milk											
Production	24	24	26	27	28	29	31	33	35	37	39
Beginning Stocks	3	6	6	6	6	6	6	6	6	6	6
Domestic Supply	27	30	32	33	34	35	37	39	41	43	45
Consumption	9	10	12	13	14	15	16	17	17	18	19
Ending Stocks	6	6	6	6	6	6	6	6	6	6	6
Domestic Use	15	16	18	19	20	21	22	23	23	24	25
Net Trade	12	14	14	14	14	15	15	16	17	19	20
Whole Milk Powder											
Production	175	189	203	211	219	227	237	249	261	270	281
Beginning Stocks	20	16	16	16	16	16	16	16	16	16	16
Domestic Supply	195	205	219	227	235	243	253	265	277	286	297
Consumption	85	93	104	110	116	121	126	130	134	137	141
Ending Stocks	16	16	16	16	16	16	16	16	16	16	16
Domestic Use	101	109	120	126	132	137	142	146	150	153	157
Net Trade	94	96	99	101	103	106	111	119	127	133	140

Australian Dairy Supply and Utilization

	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
					(Thousand Head)						
Milk Cow Numbers	1,755	1,726	1,708	1,691	1,689	1,700	1,722	1,752	1,789	1,831	1,878
					(Kilograms)						
Milk Production per Cow	5,493	5,447	5,484	5,528	5,580	5,634	5,691	5,750	5,807	5,868	5,926
					(Thousand Metric Tons)						
Cow Milk Production	9,640	9,399	9,364	9,349	9,426	9,580	9,799	10,072	10,391	10,746	11,132
Fluid Milk Consumption	2,212	2,243	2,273	2,293	2,311	2,328	2,343	2,358	2,372	2,386	2,400
Manufacturing Use	7,346	7,073	7,007	6,973	7,032	7,170	7,373	7,631	7,935	8,277	8,650
Butter											
Production	114	110	110	110	113	119	122	125	129	133	138
Beginning Stocks	7	4	4	7	10	11	12	13	13	13	13
Domestic Supply	120	113	114	117	123	130	134	138	141	146	152
Consumption	55	54	54	55	55	55	56	56	56	56	56
Ending Stocks	4	4	7	10	11	12	13	13	13	13	14
Domestic Use	59	58	62	65	66	67	68	69	69	69	70
Net Trade	62	55	52	52	57	62	66	69	72	77	82
Cheese											
Production	348	338	358	372	387	401	414	428	440	452	466
Beginning Stocks	20	17	13	13	13	13	13	13	13	13	13
Domestic Supply	367	355	371	385	400	414	428	441	453	466	479
Consumption	210	204	212	219	226	233	239	244	250	255	261
Ending Stocks	17	13	13	13	13	13	13	13	13	13	13
Domestic Use	227	217	224	232	239	246	252	257	263	268	274
Net Trade	141	138	146	152	161	169	176	184	190	197	205
Nonfat Dry Milk											
Production	198	197	194	191	188	189	190	193	198	205	213
Beginning Stocks	36	26	20	19	22	23	24	25	26	28	29
Domestic Supply	234	223	214	211	209	211	214	218	224	233	242
Consumption	41	42	43	43	44	44	44	44	44	44	44
Ending Stocks	26	20	19	22	23	24	25	26	28	29	32
Domestic Use	67	62	62	65	66	68	69	70	72	74	76
Net Trade	170	160	152	146	143	143	145	148	152	159	167
Whole Milk Powder											
Production	135	140	136	135	139	144	152	162	174	184	195
Beginning Stocks	29	17	17	17	17	17	17	17	17	17	17
Domestic Supply	164	157	153	152	156	161	169	179	191	201	212
Consumption	27	24	25	26	27	28	29	29	30	30	31
Ending Stocks	17	17	17	17	17	17	17	17	17	17	17
Domestic Use	44	41	42	43	44	45	46	46	47	47	48
Net Trade	120	116	111	108	112	116	123	133	145	154	164
Milk Farm Prices											
					(Australian Cents per Hectoliter)						
Fluid Milk Average	38	34	32	31	30	30	30	30	30	30	31
Retail Milk	201	183	164	159	156	154	154	155	155	157	159
Export Prices											
					(Australian Dollars per Metric Ton)						
Butter	3,550	3,170	2,990	2,834	2,740	2,737	2,726	2,743	2,767	2,828	2,844
Cheese	4,859	4,621	4,504	4,391	4,309	4,275	4,255	4,288	4,290	4,338	4,369
NFD	5,215	4,158	3,840	3,633	3,523	3,450	3,461	3,489	3,527	3,593	3,626
WMP	5,035	4,190	3,834	3,671	3,552	3,504	3,499	3,526	3,558	3,635	3,683

Brazilian Dairy Supply and Utilization

	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
	(Thousand Head)										
Milk Cow Numbers	15,925	16,701	16,993	17,157	17,291	17,377	17,407	17,460	17,493	17,511	17,530
	(Kilograms)										
Milk Production per Cow	1,680	1,730	1,801	1,875	1,947	2,019	2,091	2,163	2,236	2,310	2,383
	(Thousand Metric Tons)										
Cow Milk Production	26,750	28,900	30,605	32,163	33,666	35,075	36,393	37,775	39,119	40,444	41,772
Fluid Milk Consumption	14,582	15,720	17,149	17,796	18,399	18,972	19,530	20,069	20,633	21,177	21,743
Manufacturing Use	11,645	12,632	12,897	13,802	14,698	15,532	16,290	17,132	17,911	18,691	19,453
Butter											
Production	82	85	88	89	90	92	92	93	94	95	95
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	82	85	88	89	90	92	92	93	94	95	95
Consumption	82	85	87	88	89	90	90	91	92	93	94
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	82	85	87	88	89	90	90	91	92	93	94
Net Trade	0	0	1	1	2	2	2	2	2	2	2
Cheese											
Production	580	641	680	714	734	755	776	797	817	836	857
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	580	641	680	714	734	755	776	797	817	836	857
Consumption	578	634	672	705	722	741	760	778	797	815	833
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	578	634	672	705	722	741	760	778	797	815	833
Net Trade	2	7	8	10	11	13	16	19	20	21	23
Nonfat Dry Milk											
Production	128	136	146	153	161	169	175	179	185	188	192
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	128	136	146	153	161	169	175	179	185	188	192
Consumption	127	134	141	145	149	153	156	159	163	166	169
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	127	134	141	145	149	153	156	159	163	166	169
Net Trade	1	3	5	8	12	16	19	20	22	23	23
Whole Milk Powder											
Production	505	535	562	580	598	618	634	649	665	678	691
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	505	535	562	580	598	618	634	649	665	678	691
Consumption	498	522	547	563	579	595	609	621	634	644	656
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	498	522	547	563	579	595	609	621	634	644	656
Net Trade	7	13	15	18	19	23	26	28	31	34	35

Canadian Dairy Supply and Utilization

	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
					(Thousand Head)						
Milk Cow Numbers	1,005	996	988	983	976	967	958	948	939	932	926
					(Kilograms)						
Milk Production per Cow	8,104	8,202	8,316	8,430	8,544	8,657	8,771	8,884	8,998	9,111	9,225
					(Thousand Metric Tons)						
Cow Milk Production	8,145	8,171	8,220	8,287	8,336	8,375	8,403	8,420	8,448	8,488	8,540
Fluid Milk Consumption	3,060	3,019	3,022	3,026	3,031	3,035	3,038	3,042	3,045	3,049	3,053
Manufacturing Use	4,713	4,784	4,833	4,897	4,945	4,983	5,011	5,028	5,056	5,094	5,145
Butter											
Production	77	78	80	80	82	83	84	85	86	87	88
Beginning Stocks	10	8	11	12	12	12	12	12	12	12	12
Domestic Supply	87	86	91	92	94	95	96	97	98	99	100
Consumption	76	77	79	79	79	80	80	81	81	81	81
Ending Stocks	8	11	12	12	12	12	12	12	12	12	12
Domestic Use	84	88	90	91	91	93	92	93	93	93	93
Net Trade	3	-2	1	1	2	3	4	4	5	6	7
Cheese											
Production	297	300	304	309	314	318	323	328	332	337	342
Beginning Stocks	62	62	62	63	63	63	64	64	64	64	65
Domestic Supply	359	362	367	372	377	381	386	392	397	402	407
Consumption	314	312	315	319	323	327	331	335	338	342	346
Ending Stocks	62	62	63	63	63	64	64	64	64	65	65
Domestic Use	376	374	378	382	386	391	395	399	403	407	411
Net Trade	-17	-16	-17	-17	-17	-17	-18	-18	-18	-18	-18
Nonfat Dry Milk											
Production	75	76	78	78	80	82	83	84	86	88	90
Beginning Stocks	23	25	26	25	24	24	24	24	23	23	23
Domestic Supply	98	101	103	103	105	106	107	108	110	111	113
Consumption	68	71	72	73	73	74	75	76	77	77	78
Ending Stocks	25	26	25	24	24	24	24	23	23	23	23
Domestic Use	93	97	96	97	97	98	98	99	100	100	101
Net Trade	5	5	7	6	7	8	8	9	10	11	12
Prices											
					(Canadian Dollars per Hectoliter)						
Industrial Milk, Target	69.48	69.89	70.31	70.74	71.16	71.59	72.05	72.51	72.97	73.43	73.90
Fluid Milk	73.40	73.78	74.17	74.55	74.94	75.33	75.75	76.17	76.60	77.02	77.45
					(Canadian Dollars per Kilogram)						
Butter Support	6.92	6.97	7.01	7.06	7.11	7.16	7.21	7.26	7.31	7.37	7.42
NFD Support	5.86	5.89	5.92	5.95	5.98	6.01	6.04	6.07	6.10	6.13	6.16

Chinese Dairy Supply and Utilization

	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
	(Thousand Head)										
Milk Cow Numbers	16,147	17,104	17,585	17,834	17,984	18,075	18,131	18,169	18,197	18,219	18,241
	(Kilograms)										
Milk Production per Cow	2,443	2,517	2,597	2,642	2,702	2,769	2,842	2,918	2,996	3,078	3,159
	(Thousand Metric Tons)										
Cow Milk Production	39,441	43,044	45,672	47,125	48,587	50,041	51,524	53,027	54,523	56,087	57,623
Fluid Milk Consumption	11,607	11,471	12,631	13,810	14,959	16,137	17,342	18,600	19,894	21,229	22,665
Manufacturing Use	27,233	30,846	32,235	32,477	32,759	33,008	33,259	33,478	33,657	33,860	33,938
Butter											
Production	94	99	103	107	111	112	114	116	118	120	121
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	94	99	103	107	111	112	114	116	118	120	121
Consumption	123	133	141	148	154	158	162	166	170	173	177
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	123	133	141	148	154	158	162	166	170	173	177
Net Trade	-30	-33	-38	-41	-43	-46	-48	-50	-52	-54	-56
Cheese											
Production	238	246	257	265	272	277	282	287	295	299	304
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	238	246	257	265	272	277	282	287	295	299	304
Consumption	284	295	303	313	323	333	342	352	366	377	390
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	284	295	303	313	323	333	342	352	366	377	390
Net Trade	-46	-49	-46	-48	-52	-56	-61	-65	-71	-78	-85
Nonfat Dry Milk											
Production	56	61	67	74	81	88	95	102	107	111	115
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	56	61	67	74	81	88	95	102	107	111	115
Consumption	94	96	106	116	123	131	139	146	155	163	173
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	94	96	106	116	123	131	139	146	155	163	173
Net Trade	-38	-35	-39	-42	-43	-44	-44	-45	-48	-53	-58
Whole Milk Powder											
Production	1,150	1,197	1,232	1,258	1,285	1,324	1,362	1,404	1,449	1,488	1,523
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	1,150	1,197	1,232	1,258	1,285	1,324	1,362	1,404	1,449	1,488	1,523
Consumption	1,142	1,188	1,228	1,255	1,281	1,317	1,352	1,392	1,437	1,475	1,507
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	1,142	1,188	1,228	1,255	1,281	1,317	1,352	1,392	1,437	1,475	1,507
Net Trade	8	9	5	3	4	7	10	11	12	14	15

Colombian Dairy Supply and Utilization

	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
					(Thousand Head)						
Milk Cow Numbers	6,835	7,143	7,278	7,326	7,384	7,433	7,472	7,500	7,547	7,576	7,599
					(Kilograms)						
Milk Production per Cow	1,006	1,007	1,008	1,009	1,011	1,012	1,013	1,016	1,017	1,018	1,020
					(Thousand Metric Tons)						
Cow Milk Production	6,873	7,191	7,339	7,394	7,462	7,521	7,571	7,618	7,675	7,713	7,753
Fluid Milk Consumption	4,359	4,469	4,596	4,693	4,799	4,895	4,985	5,071	5,160	5,246	5,337
Manufacturing Use	1,901	2,115	2,101	2,071	2,031	2,001	1,973	1,951	1,932	1,906	1,870
Butter											
Production	27	31	31	30	30	30	30	29	29	29	29
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	27	31	31	30	30	30	30	29	29	29	29
Consumption	21	22	23	24	24	25	26	26	27	27	28
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	21	22	23	24	24	25	26	26	27	27	28
Net Trade	6	9	8	7	6	5	4	3	2	2	1
Cheese											
Production	62	64	67	69	71	73	74	77	79	80	82
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	62	64	67	69	71	73	74	77	79	80	82
Consumption	57	58	60	61	63	64	66	67	68	70	72
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	57	58	60	61	63	64	66	67	68	70	72
Net Trade	5	6	7	8	8	8	9	10	10	11	11
Nonfat Dry Milk											
Production	11	13	13	13	13	13	13	13	12	11	10
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	11	13	13	13	13	13	13	13	12	11	10
Consumption	7	8	9	9	9	9	9	10	10	10	10
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	7	8	9	9	9	9	9	10	10	10	10
Net Trade	4	5	5	4	4	3	3	3	3	2	0
Whole Milk Powder											
Production	111	123	120	116	110	105	100	95	91	87	81
Beginning Stocks	7	8	8	8	8	8	8	8	8	8	8
Domestic Supply	118	131	128	124	118	113	108	103	99	95	89
Consumption	63	66	70	73	75	77	78	80	81	82	83
Ending Stocks	8	8	8	8	8	8	8	8	8	8	8
Domestic Use	71	74	78	81	83	85	86	88	89	90	91
Net Trade	47	57	50	43	34	27	21	16	11	5	-2

Egyptian Dairy Supply and Utilization

	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
	(Thousand Head)										
Milk Cow Numbers	1,620	1,631	1,654	1,671	1,684	1,697	1,714	1,734	1,745	1,757	1,787
	(Kilograms)										
Milk Production per Cow	907	940	979	993	1,012	1,031	1,050	1,074	1,099	1,128	1,154
	(Thousand Metric Tons)										
Cow Milk Production	1,470	1,533	1,619	1,660	1,705	1,749	1,800	1,863	1,918	1,982	2,063
Fluid Milk Consumption	1,508	1,611	1,691	1,765	1,834	1,895	1,953	2,007	2,064	2,115	2,173
Manufacturing Use	1,992	2,016	2,079	2,104	2,144	2,199	2,258	2,314	2,345	2,382	2,423
Butter											
Production	7	4	5	3	3	3	3	3	4	4	4
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	7	4	5	3	3	3	3	3	4	4	4
Consumption	56	58	59	61	63	64	66	67	69	70	72
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	56	58	59	61	63	64	66	67	69	70	72
Net Trade	-49	-54	-55	-58	-60	-61	-62	-64	-65	-66	-67
Cheese											
Production	420	434	446	457	467	479	491	503	509	516	525
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	420	434	446	457	467	479	491	503	509	516	525
Consumption	425	438	451	465	478	489	500	510	521	531	542
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	425	438	451	465	478	489	500	510	521	531	542
Net Trade	-5	-4	-5	-8	-11	-11	-9	-7	-12	-15	-17
Nonfat Dry Milk											
Production	0	0	0	0	0	0	0	0	0	0	0
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	0	0	0	0	0	0	0	0	0	0	0
Consumption	30	32	33	34	35	36	36	37	38	39	40
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	30	32	33	34	35	36	36	37	38	39	40
Net Trade	-30	-32	-33	-34	-35	-36	-36	-37	-38	-39	-40
Whole Milk Powder											
Production	0	0	0	0	0	0	0	0	0	0	0
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	0	0	0	0	0	0	0	0	0	0	0
Consumption	35	38	40	43	45	47	49	50	52	54	56
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	35	38	40	43	45	47	49	50	52	54	56
Net Trade	-35	-38	-40	-43	-45	-47	-49	-50	-52	-54	-56

Indian Dairy Supply and Utilization

	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
	(Thousand Head)										
Milk Cow Numbers	38,000	38,118	38,317	38,573	38,869	39,193	39,537	39,895	40,262	40,636	41,015
	(Kilograms)										
Milk Production per Cow	1,101	1,123	1,130	1,137	1,141	1,146	1,151	1,156	1,161	1,166	1,171
	(Thousand Metric Tons)										
Cow Milk Production	41,855	42,796	43,288	43,841	44,368	44,930	45,518	46,126	46,750	47,386	48,032
Buffalo Milk Production	56,520	58,811	60,975	63,531	65,418	67,331	69,344	71,386	73,456	75,672	77,920
Total Milk Production	98,375	101,607	104,263	107,371	109,786	112,261	114,862	117,512	120,206	123,058	125,953
Fluid Milk Consumption	40,828	43,522	45,862	48,139	49,508	50,862	52,214	53,576	54,959	56,344	57,755
Manufacturing Use	57,543	58,080	58,396	59,228	60,273	61,394	62,643	63,931	65,242	66,709	68,192
Butter											
Production	3,283	3,585	3,965	4,193	4,428	4,630	4,840	5,039	5,241	5,430	5,643
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	3,283	3,585	3,965	4,193	4,428	4,630	4,840	5,039	5,241	5,430	5,643
Consumption	3,284	3,582	3,961	4,186	4,418	4,623	4,833	5,035	5,238	5,429	5,642
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	3,284	3,582	3,961	4,186	4,418	4,623	4,833	5,035	5,238	5,429	5,642
Net Trade	-1	3	4	7	10	7	7	5	3	1	1
Nonfat Dry Milk											
Production	314	334	351	373	386	399	412	426	439	453	468
Beginning Stocks	5	13	8	3	3	3	3	3	3	3	3
Domestic Supply	319	346	358	375	388	401	414	428	441	456	470
Consumption	249	261	276	288	300	313	324	336	349	362	374
Ending Stocks	13	8	3	3	3	3	3	3	3	3	3
Domestic Use	261	268	278	290	303	315	327	339	351	364	377
Net Trade	58	78	80	85	86	86	87	89	90	92	93

Indonesian Dairy Supply and Utilization

	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
					(Thousand Head)						
Milk Cow Numbers	414	418	423	428	433	437	443	450	456	459	463
					(Kilograms)						
Milk Production per Cow	1,429	1,438	1,444	1,450	1,458	1,465	1,475	1,486	1,498	1,510	1,523
					(Thousand Metric Tons)						
Cow Milk Production	592	602	611	620	631	640	653	669	683	693	705
Fluid Milk Consumption	339	355	370	382	395	406	416	425	435	444	454
Manufacturing Use	577	577	577	580	585	589	598	611	620	627	636
Butter											
Production	0	0	0	0	0	0	0	0	0	0	0
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	0	0	0	0	0	0	0	0	0	0	0
Consumption	11	11	12	12	12	13	13	13	14	14	14
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	11	11	12	12	12	13	13	13	14	14	14
Net Trade	-11	-11	-12	-12	-12	-13	-13	-13	-14	-14	-14
Cheese											
Production	0	0	0	0	0	0	0	0	0	0	0
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	0	0	0	0	0	0	0	0	0	0	0
Consumption	8	9	9	9	10	10	10	11	11	11	12
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	8	9	9	9	10	10	10	11	11	11	12
Net Trade	-8	-9	-9	-9	-10	-10	-10	-11	-11	-11	-12
Nonfat Dry Milk											
Production	0	0	0	0	0	0	0	0	0	0	0
Beginning Stocks	12	9	9	9	9	9	9	9	9	9	9
Domestic Supply	12	9	9	9	9	9	9	9	9	9	9
Consumption	145	148	157	163	170	177	181	186	190	195	199
Ending Stocks	9	9	9	9	9	9	9	9	9	9	9
Domestic Use	154	157	166	172	179	186	190	195	199	204	208
Net Trade	-142	-148	-157	-163	-170	-177	-181	-186	-190	-195	-199
Whole Milk Powder											
Production	47	48	49	50	51	52	53	54	56	57	58
Beginning Stocks	5	4	4	4	4	4	4	4	4	4	4
Domestic Supply	52	52	53	54	55	56	57	58	60	61	62
Consumption	75	77	82	86	90	93	97	100	103	106	109
Ending Stocks	4	4	4	4	4	4	4	4	4	4	4
Domestic Use	79	81	86	90	94	97	101	104	107	110	113
Net Trade	-27	-28	-33	-36	-39	-41	-44	-46	-47	-49	-51

Japanese Dairy Supply and Utilization

	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
					(Thousand Head)						
Milk Cow Numbers	890	887	877	866	854	842	829	817	804	792	780
					(Kilograms)						
Milk Production per Cow	8,978	9,023	9,074	9,125	9,175	9,223	9,272	9,322	9,371	9,421	9,470
					(Thousand Metric Tons)						
Cow Milk Production	7,990	7,999	7,962	7,904	7,835	7,762	7,687	7,612	7,536	7,461	7,386
Fluid Milk Consumption	4,515	4,500	4,492	4,480	4,467	4,451	4,432	4,410	4,386	4,359	4,331
Manufacturing Use	3,395	3,419	3,391	3,346	3,292	3,236	3,181	3,128	3,078	3,031	2,986
Butter											
Production	77	81	81	80	79	78	78	77	76	75	74
Beginning Stocks	22	20	20	20	20	20	20	20	20	20	20
Domestic Supply	99	101	101	100	99	98	98	97	96	95	94
Consumption	88	88	89	89	89	90	90	90	90	90	90
Ending Stocks	20	20	20	20	20	20	20	20	20	20	20
Domestic Use	108	108	109	109	109	110	110	110	110	110	110
Net Trade	-9	-7	-8	-9	-10	-12	-12	-13	-14	-14	-15
Cheese											
Production	41	46	47	47	47	48	49	50	50	52	53
Beginning Stocks	15	15	15	15	15	15	15	15	15	15	15
Domestic Supply	56	61	62	62	62	63	64	65	65	67	68
Consumption	256	262	265	269	273	277	281	284	287	290	293
Ending Stocks	15	15	15	15	15	15	15	15	15	15	15
Domestic Use	271	277	280	284	288	292	296	299	302	305	308
Net Trade	-215	-216	-219	-222	-226	-229	-232	-235	-237	-239	-240
Nonfat Dry Milk											
Production	175	174	172	168	163	159	154	150	146	142	138
Beginning Stocks	64	61	61	61	61	61	61	61	61	61	61
Domestic Supply	239	235	233	229	224	220	215	211	207	203	199
Consumption	210	207	204	201	198	195	192	188	185	181	177
Ending Stocks	61	61	61	61	61	61	61	61	61	61	61
Domestic Use	271	268	265	262	259	256	253	249	246	242	238
Net Trade	-32	-33	-33	-33	-35	-36	-38	-38	-39	-39	-39
Prices											
					(Yen per Kilogram)						
Milk Farm Price	79	78	76	75	73	72	71	70	70	70	69
Butter Wholesale	1,080	1,090	1,062	1,038	1,018	1,008	1,002	1,001	1,003	1,009	1,013
NFD Wholesale	567	558	544	535	529	525	524	524	525	526	527
Cheese Retail	2,586	2,779	2,878	2,942	2,976	2,994	3,003	3,015	3,024	3,038	3,054

Malaysian Dairy Supply and Utilization

	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
					(Thousand Head)						
Milk Cow Numbers	87	89	91	93	95	97	98	101	103	104	105
					(Kilograms)						
Milk Production per Cow	469	477	485	489	495	496	500	504	509	513	518
					(Thousand Metric Tons)						
Cow Milk Production	41	42	44	46	47	48	49	51	52	53	54
Fluid Milk Consumption	51	54	56	59	61	63	65	67	69	71	73
Manufacturing Use	2	1	2	2	1	1	0	1	1	1	0
Butter											
Production	0	0	0	0	0	0	0	0	0	0	0
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	0	0	0	0	0	0	0	0	0	0	0
Consumption	10	10	11	12	12	12	13	13	14	14	15
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	10	10	11	12	12	12	13	13	14	14	15
Net Trade	-10	-10	-11	-12	-12	-12	-13	-13	-14	-14	-15
Cheese											
Production	0	0	0	0	0	0	0	0	0	0	0
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	0	0	0	0	0	0	0	0	0	0	0
Consumption	7	8	9	9	10	10	10	11	11	12	12
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	7	8	9	9	10	10	10	11	11	12	12
Net Trade	-7	-8	-9	-9	-10	-10	-10	-11	-11	-12	-12
Nonfat Dry Milk											
Production	0	0	0	0	0	0	0	0	0	0	0
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	0	0	0	0	0	0	0	0	0	0	0
Consumption	55	58	61	65	68	71	74	77	79	82	85
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	55	58	61	65	68	71	74	77	79	82	85
Net Trade	-55	-58	-61	-65	-68	-71	-74	-77	-79	-82	-85
Whole Milk Powder											
Production	0	0	0	0	0	0	0	0	0	0	0
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	0	0	0	0	0	0	0	0	0	0	0
Consumption	93	97	101	104	107	110	112	114	117	119	121
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	93	97	101	104	107	110	112	114	117	119	121
Net Trade	-93	-97	-101	-104	-107	-110	-112	-114	-117	-119	-121

Mexican Dairy Supply and Utilization

	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
					(Thousand Head)						
Milk Cow Numbers	2,200	2,200	2,200	2,200	2,201	2,201	2,201	2,201	2,201	2,201	2,201
					(Kilograms)						
Milk Production per Cow	4,591	4,629	4,673	4,720	4,749	4,786	4,853	4,890	4,954	5,015	5,081
					(Thousand Metric Tons)						
Cow Milk Production	10,100	10,183	10,281	10,386	10,452	10,534	10,681	10,761	10,904	11,040	11,181
Fluid Milk Consumption	4,275	4,249	4,372	4,476	4,582	4,647	4,733	4,814	4,907	4,985	5,078
Manufacturing Use	6,040	6,149	6,125	6,125	6,085	6,102	6,163	6,163	6,212	6,271	6,318
Butter											
Production	121	131	133	136	140	144	148	151	154	158	161
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	121	131	133	136	140	144	148	151	154	158	161
Consumption	171	177	182	186	190	194	198	201	205	208	212
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	171	177	182	186	190	194	198	201	205	208	212
Net Trade	-50	-46	-49	-50	-50	-50	-49	-50	-50	-50	-51
Cheese											
Production	147	149	149	152	156	161	165	167	170	173	177
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	147	149	149	152	156	161	165	167	170	173	177
Consumption	233	239	244	250	256	262	267	272	277	281	286
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	233	239	244	250	256	262	267	272	277	281	286
Net Trade	-86	-90	-95	-98	-99	-102	-102	-105	-106	-108	-109
Nonfat Dry Milk											
Production	11	13	12	11	12	13	15	17	19	21	23
Beginning Stocks	20	20	20	20	20	20	20	20	20	20	20
Domestic Supply	31	33	32	31	32	33	35	37	39	41	43
Consumption	204	208	217	224	231	240	246	251	256	260	265
Ending Stocks	20	20	20	20	20	20	20	20	20	20	20
Domestic Use	224	228	237	244	251	260	266	271	276	280	285
Net Trade	-192	-195	-206	-213	-219	-227	-231	-235	-237	-238	-242
Whole Milk Powder											
Production	119	121	123	125	124	123	124	124	125	125	126
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	119	121	123	125	124	123	124	124	125	125	126
Consumption	153	156	158	160	163	166	168	171	174	177	179
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	153	156	158	160	163	166	168	171	174	177	179
Net Trade	-34	-34	-35	-35	-40	-43	-45	-47	-49	-51	-54

New Zealand Dairy Supply and Utilization

	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
					(Thousand Head)						
Milk Cow Numbers	4,191	4,224	4,232	4,243	4,254	4,261	4,277	4,294	4,310	4,326	4,344
					(Kilograms)						
Milk Production per Cow	3,763	3,772	3,789	3,829	3,866	3,900	3,940	3,980	4,019	4,058	4,099
					(Thousand Metric Tons)						
Cow Milk Production	15,771	15,934	16,037	16,244	16,445	16,620	16,854	17,092	17,321	17,555	17,804
Fluid Milk Consumption	360	368	374	377	379	383	384	386	387	389	390
Manufacturing Use	15,305	15,460	15,557	15,761	15,960	16,130	16,362	16,600	16,827	17,058	17,307
Butter											
Production	419	428	433	436	438	442	446	449	453	456	460
Beginning Stocks	17	17	17	17	17	17	17	17	17	17	17
Domestic Supply	436	444	449	453	455	459	462	465	469	473	476
Consumption	26	25	25	25	25	25	25	25	25	25	25
Ending Stocks	17	17	17	17	17	17	17	17	17	17	17
Domestic Use	43	41	41	42	42	42	42	42	42	42	41
Net Trade	399	403	408	411	413	417	421	424	428	431	435
Cheese											
Production	324	330	333	338	349	359	370	382	392	402	413
Beginning Stocks	13	5	5	5	5	5	5	5	5	5	5
Domestic Supply	336	335	339	343	355	364	375	387	397	407	419
Consumption	28	30	33	35	36	37	39	39	41	42	43
Ending Stocks	5	5	5	5	5	5	5	5	5	5	5
Domestic Use	33	35	39	40	41	43	44	45	46	47	48
Net Trade	297	300	300	304	313	322	332	343	351	360	371
Nonfat Dry Milk											
Production	314	326	331	337	339	342	347	352	358	363	368
Beginning Stocks	15	8	8	8	8	8	8	8	8	8	8
Domestic Supply	329	334	339	345	347	350	355	360	366	371	376
Consumption	5	5	5	5	5	5	5	5	5	5	5
Ending Stocks	8	8	8	8	8	8	8	8	8	8	8
Domestic Use	13	13	13	13	13	13	13	13	13	13	13
Net Trade	316	321	326	332	334	336	342	347	353	358	363
Whole Milk Powder											
Production	677	685	703	711	716	721	726	732	737	743	751
Beginning Stocks	26	22	16	24	26	29	31	32	33	31	32
Domestic Supply	703	707	719	735	742	750	757	764	770	775	783
Consumption	1	1	2	2	2	2	2	2	2	2	3
Ending Stocks	22	16	24	26	29	31	32	33	31	32	32
Domestic Use	23	18	25	28	31	33	34	35	34	34	35
Net Trade	680	689	694	707	711	716	722	728	736	741	748

Peruvian Dairy Supply and Utilization

	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
					(Thousand Head)						
Milk Cow Numbers	691	697	701	704	711	719	728	744	755	764	773
					(Kilograms)						
Milk Production per Cow	2,012	2,022	2,035	2,043	2,070	2,104	2,138	2,184	2,231	2,281	2,335
					(Thousand Metric Tons)						
Cow Milk Production	1,391	1,410	1,426	1,437	1,472	1,512	1,557	1,624	1,684	1,743	1,804
Fluid Milk Consumption	714	725	768	802	835	869	900	931	964	996	1,031
Manufacturing Use	673	680	654	632	633	640	654	690	718	744	770
Butter											
Production	2	2	1	1	1	1	1	2	2	2	2
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	2	2	1	1	1	1	1	2	2	2	2
Consumption	2	2	2	3	3	3	4	4	4	4	4
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	2	2	2	3	3	3	4	4	4	4	4
Net Trade	0	-1	-1	-1	-2	-2	-2	-2	-2	-2	-2
Cheese											
Production	10	11	10	10	10	10	11	11	11	12	12
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	10	11	10	10	10	10	11	11	11	12	12
Consumption	15	16	17	18	19	19	20	20	21	22	22
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	15	16	17	18	19	19	20	20	21	22	22
Net Trade	-5	-5	-7	-8	-8	-9	-9	-9	-10	-10	-10
Nonfat Dry Milk											
Production	0	0	0	0	0	0	0	0	0	0	0
Beginning Stocks	1	1	1	1	1	1	1	1	1	1	1
Domestic Supply	1	1	1	1	1	1	1	1	1	1	1
Consumption	5	5	6	7	7	8	8	8	8	9	9
Ending Stocks	1	1	1	1	1	1	1	1	1	1	1
Domestic Use	6	6	7	8	8	9	9	9	9	10	10
Net Trade	-5	-5	-6	-7	-7	-8	-8	-8	-8	-9	-9
Whole Milk Powder											
Production	0	0	0	0	0	0	0	0	0	0	0
Beginning Stocks	1	1	1	1	1	1	1	1	1	1	1
Domestic Supply	1	1	1	1	1	1	1	1	1	1	1
Consumption	9	12	14	15	17	18	19	19	20	21	22
Ending Stocks	1	1	1	1	1	1	1	1	1	1	1
Domestic Use	10	13	15	16	18	19	20	20	21	22	23
Net Trade	-9	-12	-14	-15	-17	-18	-19	-19	-20	-21	-22

Philippine Dairy Supply and Utilization

	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
					(Thousand Head)						
Milk Cow Numbers	12	12	12	12	12	12	13	13	13	13	13
					(Kilograms)						
Milk Production per Cow	1,083	1,115	1,144	1,174	1,204	1,233	1,263	1,293	1,323	1,353	1,383
					(Thousand Metric Tons)						
Cow Milk Production	13	13	14	14	15	15	16	16	17	18	18
Fluid Milk Consumption	56	61	66	69	73	77	80	83	87	90	93
Manufacturing Use	5	5	5	5	5	5	5	5	5	5	5
Butter											
Production	0	0	0	0	0	0	0	0	0	0	0
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	0	0	0	0	0	0	0	0	0	0	0
Consumption	10	10	11	11	11	12	12	12	12	13	13
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	10	10	11	11	11	12	12	12	12	13	13
Net Trade	-10	-10	-11	-11	-11	-12	-12	-12	-12	-13	-13
Cheese											
Production	2	1	1	1	1	1	1	1	1	1	1
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	2	1	1	1	1	1	1	1	1	1	1
Consumption	9	10	10	10	11	11	12	12	13	13	13
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	9	10	10	10	11	11	12	12	13	13	13
Net Trade	-7	-9	-10	-10	-10	-11	-11	-12	-12	-12	-13
Nonfat Dry Milk											
Production	0	0	0	0	0	0	0	0	0	0	0
Beginning Stocks	3	2	0	0	0	0	0	0	0	0	0
Domestic Supply	3	2	0	0	0	0	0	0	0	0	0
Consumption	81	89	94	96	99	101	104	106	108	110	112
Ending Stocks	2	0	0	0	0	0	0	0	0	0	0
Domestic Use	83	89	94	96	99	101	104	106	108	110	112
Net Trade	-80	-87	-94	-96	-99	-101	-104	-106	-108	-110	-112
Whole Milk Powder											
Production	0	0	0	0	0	0	0	0	0	0	0
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	0	0	0	0	0	0	0	0	0	0	0
Consumption	10	12	13	14	16	17	19	21	22	24	26
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	10	12	13	14	16	17	19	21	22	24	26
Net Trade	-10	-12	-13	-14	-16	-17	-19	-21	-22	-24	-26

Russian Dairy Supply and Utilization

	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
	(Thousand Head)										
Milk Cow Numbers	9,910	9,920	9,913	9,896	9,872	9,843	9,811	9,777	9,741	9,704	9,667
	(Kilograms)										
Milk Production per Cow	3,229	3,240	3,310	3,379	3,449	3,519	3,588	3,658	3,728	3,798	3,868
	(Thousand Metric Tons)										
Cow Milk Production	32,000	32,142	32,808	33,440	34,047	34,635	35,207	35,768	36,319	36,861	37,395
Fluid Milk Consumption	12,000	12,076	12,205	12,328	12,450	12,525	12,588	12,609	12,655	12,732	12,807
Manufacturing Use	17,415	17,483	18,022	18,535	19,028	19,548	20,066	20,615	21,130	21,605	22,075
Butter											
Production	300	312	317	324	328	329	332	334	336	340	343
Beginning Stocks	10	15	16	16	16	16	16	17	17	17	17
Domestic Supply	310	327	332	339	344	345	348	351	352	357	360
Consumption	420	437	449	461	469	473	478	483	488	497	504
Ending Stocks	15	16	16	16	16	16	17	17	17	17	17
Domestic Use	435	453	465	477	485	490	495	499	505	514	521
Net Trade	-125	-126	-133	-137	-141	-144	-146	-148	-153	-157	-162
Cheese											
Production	420	429	438	445	451	457	462	468	473	478	483
Beginning Stocks	12	12	12	12	12	12	12	12	12	12	12
Domestic Supply	432	441	450	457	463	469	474	480	485	490	495
Consumption	660	684	702	718	729	737	748	762	771	785	797
Ending Stocks	12	12	12	12	12	12	12	12	12	12	12
Domestic Use	672	696	714	730	741	749	760	774	783	797	809
Net Trade	-240	-255	-265	-272	-278	-280	-286	-294	-297	-307	-314
Nonfat Dry Milk											
Production	115	121	121	123	125	129	133	137	141	145	149
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	115	121	121	123	125	129	133	137	141	145	149
Consumption	150	163	169	173	177	180	183	184	187	190	194
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	150	163	169	173	177	180	183	184	187	190	194
Net Trade	-35	-42	-48	-50	-52	-51	-50	-48	-46	-45	-45
Whole Milk Powder											
Production	95	95	96	98	99	100	101	103	104	105	107
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	95	95	96	98	99	100	101	103	104	105	107
Consumption	115	120	127	130	134	137	139	141	142	144	145
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	115	120	127	130	134	137	139	141	142	144	145
Net Trade	-20	-25	-30	-32	-35	-37	-38	-38	-38	-38	-38

Saudi Arabian Dairy Supply and Utilization

	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
					(Thousand Head)						
Milk Cow Numbers	112	118	124	127	131	136	142	151	158	165	171
					(Kilograms)						
Milk Production per Cow	8,937	8,977	9,017	9,057	9,097	9,137	9,177	9,217	9,257	9,297	9,337
					(Thousand Metric Tons)						
Cow Milk Production	1,005	1,058	1,114	1,154	1,189	1,238	1,304	1,394	1,467	1,533	1,601
Fluid Milk Consumption	1,084	1,121	1,180	1,229	1,271	1,303	1,326	1,373	1,417	1,454	1,501
Manufacturing Use	131	147	147	138	129	143	187	231	260	290	315
Butter											
Production	6	6	6	6	6	6	8	10	11	12	14
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	6	6	6	6	6	6	8	10	11	12	14
Consumption	41	43	45	46	48	50	51	53	54	55	57
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	41	43	45	46	48	50	51	53	54	55	57
Net Trade	-36	-36	-38	-41	-43	-44	-43	-43	-43	-43	-43
Cheese											
Production	0	0	0	0	0	0	0	0	0	0	0
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	0	0	0	0	0	0	0	0	0	0	0
Consumption	81	83	84	86	89	91	93	95	97	98	100
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	81	83	84	86	89	91	93	95	97	98	100
Net Trade	-81	-83	-84	-86	-89	-91	-93	-95	-97	-98	-100
Nonfat Dry Milk											
Production	0	0	0	0	0	0	0	0	0	0	0
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	0	0	0	0	0	0	0	0	0	0	0
Consumption	22	25	29	31	33	34	35	37	38	40	41
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	22	25	29	31	33	34	35	37	38	40	41
Net Trade	-22	-25	-29	-31	-33	-34	-35	-37	-38	-40	-41
Whole Milk Powder											
Production	0	0	0	0	0	0	0	0	0	0	0
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	0	0	0	0	0	0	0	0	0	0	0
Consumption	90	99	110	114	119	121	122	124	126	127	128
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	90	99	110	114	119	121	122	124	126	127	128
Net Trade	-90	-99	-110	-114	-119	-121	-122	-124	-126	-127	-128

South Korean Dairy Supply and Utilization

	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
	(Thousand Head)										
Milk Cow Numbers	235	227	218	210	205	201	197	195	193	192	190
	(Kilograms)										
Milk Production per Cow	9,251	9,572	9,608	9,704	9,815	9,919	10,027	10,142	10,263	10,384	10,510
	(Thousand Metric Tons)										
Cow Milk Production	2,174	2,170	2,091	2,038	2,011	1,989	1,976	1,976	1,982	1,989	1,994
Fluid Milk Consumption	1,522	1,519	1,518	1,511	1,505	1,496	1,485	1,471	1,457	1,441	1,426
Manufacturing Use	652	651	573	527	506	492	491	505	524	548	568
Butter											
Production	50	44	45	43	43	43	42	42	43	43	42
Beginning Stocks	0	1	0	0	0	0	0	0	0	0	0
Domestic Supply	50	45	45	43	43	43	42	42	43	43	42
Consumption	52	47	47	47	47	47	47	47	47	47	47
Ending Stocks	1	0	0	0	0	0	0	0	0	0	0
Domestic Use	53	47	47	47	47	47	47	47	47	47	47
Net Trade	-4	-1	-3	-3	-4	-5	-5	-5	-5	-4	-4
Cheese											
Production	30	31	30	28	28	27	27	28	28	30	30
Beginning Stocks	1	1	1	1	1	1	1	1	1	1	1
Domestic Supply	31	32	31	29	29	28	28	29	29	31	31
Consumption	77	81	83	86	90	94	97	99	102	104	107
Ending Stocks	1	1	1	1	1	1	1	1	1	1	1
Domestic Use	78	82	84	87	91	95	98	100	103	105	108
Net Trade	-47	-50	-53	-58	-62	-66	-69	-71	-74	-75	-76
Nonfat Dry Milk											
Production	21	20	19	18	17	17	17	18	19	19	20
Beginning Stocks	3	4	4	4	4	4	4	4	4	4	4
Domestic Supply	24	24	23	22	21	21	21	22	23	23	24
Consumption	27	27	27	27	27	28	28	28	28	28	27
Ending Stocks	4	4	4	4	4	4	4	4	4	4	4
Domestic Use	31	31	31	31	31	32	32	32	32	32	31
Net Trade	-7	-7	-8	-9	-10	-10	-10	-10	-9	-8	-8
Whole Milk Powder											
Production	4	4	4	3	3	3	3	3	3	3	3
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	4	4	4	3	3	3	3	3	3	3	3
Consumption	6	6	6	6	6	6	6	7	7	7	7
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	6	6	6	6	6	6	6	7	7	7	7
Net Trade	-2	-2	-2	-3	-3	-3	-3	-4	-4	-4	-4

Thai Dairy Supply and Utilization

	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
					(Thousand Head)						
Milk Cow Numbers	318	334	339	346	356	369	379	388	401	419	431
					(Kilograms)						
Milk Production per Cow	3,024	3,067	3,091	3,200	3,285	3,342	3,405	3,474	3,547	3,620	3,695
					(Thousand Metric Tons)						
Cow Milk Production	961	1,024	1,047	1,106	1,170	1,232	1,292	1,346	1,422	1,516	1,591
Fluid Milk Consumption	910	950	988	1,024	1,061	1,097	1,133	1,169	1,207	1,246	1,287
Manufacturing Use	11	11	11	10	10	10	10	10	10	10	10
Butter											
Production	0	0	0	0	0	0	0	0	0	0	0
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	0	0	0	0	0	0	0	0	0	0	0
Consumption	14	15	16	16	17	17	18	19	19	20	20
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	14	15	16	16	17	17	18	19	19	20	20
Net Trade	-14	-15	-16	-16	-17	-17	-18	-19	-19	-20	-20
Cheese											
Production	1	1	1	1	1	1	1	1	1	1	1
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	1	1	1	1	1	1	1	1	1	1	1
Consumption	3	4	4	4	4	4	5	5	5	5	5
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	3	4	4	4	4	4	5	5	5	5	5
Net Trade	-2	-2	-3	-3	-3	-3	-3	-4	-4	-4	-4
Nonfat Dry Milk											
Production	0	0	0	0	0	0	0	0	0	0	0
Beginning Stocks	9	9	9	9	9	9	9	9	9	9	9
Domestic Supply	9	9	9	9	9	9	9	9	9	9	9
Consumption	93	95	96	98	101	103	105	108	111	113	116
Ending Stocks	9	9	9	9	9	9	9	9	9	9	9
Domestic Use	102	104	105	107	110	112	114	117	120	122	125
Net Trade	-93	-95	-96	-98	-101	-103	-105	-108	-111	-113	-116
Whole Milk Powder											
Production	0	0	0	0	0	0	0	0	0	0	0
Beginning Stocks	6	6	6	6	6	6	6	6	6	6	6
Domestic Supply	6	6	6	6	6	6	6	6	6	6	6
Consumption	40	41	42	44	45	46	47	49	50	51	52
Ending Stocks	6	6	6	6	6	6	6	6	6	6	6
Domestic Use	46	47	48	50	51	52	53	55	56	57	58
Net Trade	-40	-41	-42	-44	-45	-46	-47	-49	-50	-51	-52

Ukrainian Dairy Supply and Utilization

	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
					(Thousand Head)						
Milk Cow Numbers	3,200	3,170	3,148	3,142	3,126	3,119	3,114	3,108	3,105	3,096	3,095
					(Kilograms)						
Milk Production per Cow	4,094	4,179	4,269	4,357	4,445	4,533	4,621	4,709	4,797	4,885	4,973
					(Thousand Metric Tons)						
Cow Milk Production	13,100	13,248	13,439	13,688	13,892	14,139	14,389	14,636	14,895	15,122	15,390
Fluid Milk Consumption	5,075	5,095	5,111	5,119	5,117	5,152	5,132	5,105	5,079	5,062	5,058
Manufacturing Use	7,090	7,228	7,412	7,656	7,868	8,082	8,354	8,631	8,916	9,164	9,437
Butter											
Production	97	96	102	106	109	112	117	121	125	129	134
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	97	96	102	106	109	112	117	121	125	129	134
Consumption	89	89	91	92	93	95	96	96	97	97	98
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	89	89	91	92	93	95	96	96	97	97	98
Net Trade	8	7	11	14	15	18	22	25	28	32	35
Cheese											
Production	243	261	274	290	298	307	314	322	333	345	357
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	243	261	274	290	298	307	314	322	333	345	357
Consumption	188	200	207	213	221	232	239	245	250	257	263
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	188	200	207	213	221	232	239	245	250	257	263
Net Trade	55	60	67	77	77	75	75	77	83	89	94
Nonfat Dry Milk											
Production	78	82	86	88	93	97	100	104	107	111	114
Beginning Stocks	2	2	2	2	2	2	2	2	2	2	2
Domestic Supply	80	84	88	90	95	99	102	106	109	113	116
Consumption	18	20	22	24	26	29	31	32	33	34	36
Ending Stocks	2	2	2	2	2	2	2	2	2	2	2
Domestic Use	20	22	24	26	28	31	33	34	35	36	38
Net Trade	60	62	64	65	67	68	70	72	74	76	78
Whole Milk Powder											
Production	33	34	36	38	40	43	45	47	49	52	54
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	33	34	36	38	40	43	45	47	49	52	54
Consumption	12	12	12	13	13	13	14	14	14	14	14
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	12	12	12	13	13	13	14	14	14	14	14
Net Trade	21	23	24	26	27	29	31	33	35	37	39

Uruguayan Dairy Supply and Utilization

	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
					(Thousand Head)						
Milk Cow Numbers	951	956	960	965	973	979	985	991	997	1,004	1,010
					(Kilograms)						
Milk Production per Cow	1,874	1,924	1,945	1,960	2,005	2,023	2,026	2,031	2,042	2,051	2,066
					(Thousand Metric Tons)						
Cow Milk Production	1,783	1,839	1,866	1,891	1,951	1,979	1,995	2,012	2,037	2,059	2,087
Fluid Milk Consumption	509	517	539	552	555	563	569	573	578	581	585
Manufacturing Use	1,122	1,179	1,182	1,192	1,249	1,268	1,276	1,288	1,307	1,326	1,351
Butter											
Production	18	19	20	21	22	23	24	25	26	28	29
Beginning Stocks	4	4	4	4	4	4	4	4	4	4	4
Domestic Supply	22	23	24	25	26	27	28	29	30	32	33
Consumption	5	5	6	7	7	7	7	7	7	7	7
Ending Stocks	4	4	4	4	4	4	4	4	4	4	4
Domestic Use	9	9	10	11	11	11	11	11	11	11	11
Net Trade	13	14	14	14	16	16	17	18	19	20	22
Cheese											
Production	25	28	30	31	34	35	36	38	39	41	42
Beginning Stocks	3	3	3	3	3	3	3	3	3	3	3
Domestic Supply	28	31	33	34	37	38	39	41	42	44	45
Consumption	10	11	11	12	12	12	13	13	13	14	14
Ending Stocks	3	3	3	3	3	3	3	3	3	3	3
Domestic Use	13	14	14	15	15	15	16	16	16	17	17
Net Trade	15	17	18	19	22	23	24	25	26	27	28
Nonfat Dry Milk											
Production	18	18	19	20	21	23	24	25	26	28	29
Beginning Stocks	1	1	1	1	1	1	1	1	1	1	1
Domestic Supply	19	19	20	21	22	24	25	26	27	29	30
Consumption	2	3	3	3	4	4	4	4	4	4	4
Ending Stocks	1	1	1	1	1	1	1	1	1	1	1
Domestic Use	3	4	4	4	5	5	5	5	5	5	5
Net Trade	15	16	16	17	18	19	20	21	23	24	25
Whole Milk Powder											
Production	31	23	21	21	26	28	29	31	33	36	39
Beginning Stocks	11	11	11	11	11	11	11	11	11	11	11
Domestic Supply	42	34	32	32	37	39	40	42	44	47	50
Consumption	4	4	5	5	5	5	5	6	6	5	5
Ending Stocks	11	11	11	11	11	11	11	11	11	11	11
Domestic Use	15	15	16	16	16	16	16	17	17	16	16
Net Trade	27	19	16	16	21	22	24	26	28	31	33

Venezuelan Dairy Supply and Utilization

	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
					(Thousand Head)						
Milk Cow Numbers	741	744	746	749	753	753	757	761	767	768	771
					(Kilograms)						
Milk Production per Cow	1,792	1,820	1,833	1,849	1,866	1,883	1,900	1,918	1,935	1,953	1,971
					(Thousand Metric Tons)						
Cow Milk Production	1,328	1,353	1,367	1,385	1,405	1,418	1,438	1,460	1,484	1,500	1,520
Fluid Milk Consumption	203	208	215	219	227	232	236	240	245	249	254
Manufacturing Use	1,125	1,145	1,152	1,166	1,178	1,187	1,201	1,219	1,239	1,250	1,267
Butter											
Production	2	2	2	2	2	2	2	2	2	2	2
Beginning Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Supply	2	2	2	2	2	2	2	2	2	2	2
Consumption	3	3	4	4	4	4	4	5	5	5	5
Ending Stocks	0	0	0	0	0	0	0	0	0	0	0
Domestic Use	3	3	4	4	4	4	4	5	5	5	5
Net Trade	-2	-2	-2	-2	-3	-3	-3	-3	-3	-3	-3
Cheese											
Production	65	65	67	69	72	73	74	76	78	80	81
Beginning Stocks	28	28	28	28	28	28	28	28	28	28	28
Domestic Supply	93	93	95	97	100	101	102	104	106	108	109
Consumption	72	75	78	81	83	85	87	89	92	95	98
Ending Stocks	28	28	28	28	28	28	28	28	28	28	28
Domestic Use	100	103	106	109	111	113	115	117	120	123	126
Net Trade	-6	-9	-12	-11	-11	-12	-13	-13	-14	-15	-16
Nonfat Dry Milk											
Production	3	3	3	3	3	3	4	4	4	4	4
Beginning Stocks	3	3	3	3	3	3	3	3	3	3	3
Domestic Supply	6	6	6	6	6	6	7	7	7	7	7
Consumption	9	10	10	10	11	11	11	11	11	11	11
Ending Stocks	3	3	3	3	3	3	3	3	3	3	3
Domestic Use	12	13	13	13	14	14	14	14	14	14	14
Net Trade	-5	-6	-7	-7	-7	-7	-7	-7	-7	-8	-8
Whole Milk Powder											
Production	24	26	28	28	28	28	28	29	29	29	30
Beginning Stocks	34	34	34	34	34	34	34	34	34	34	34
Domestic Supply	58	60	62	62	62	62	62	63	63	63	64
Consumption	120	124	127	129	131	134	135	137	138	140	141
Ending Stocks	34	34	34	34	34	34	34	34	34	34	34
Domestic Use	154	158	161	163	165	168	169	171	172	174	175
Net Trade	-95	-98	-100	-101	-103	-105	-107	-108	-109	-110	-112

Per Capita Dairy Consumption of Selected Countries

	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Argentina											
						(Kilograms)					
Fluid Milk	49.6	50.9	52.6	53.9	55.0	56.2	57.4	58.5	59.8	61.1	62.5
Butter	1.1	1.1	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.3
Cheese	10.9	11.3	11.7	12.1	12.4	12.7	12.9	13.2	13.5	13.8	14.1
NFD Milk	0.2	0.2	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4
Whole Milk Powder	2.1	2.3	2.5	2.7	2.8	2.9	3.0	3.0	3.1	3.2	3.2
Australia											
Fluid Milk	108.2	108.9	109.5	109.6	109.6	109.6	109.5	109.4	109.3	109.2	109.1
Butter	2.7	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
Cheese	10.3	9.9	10.2	10.5	10.7	11.0	11.2	11.3	11.5	11.7	11.9
NFD Milk	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0
Whole Milk Powder	1.3	1.2	1.2	1.3	1.3	1.3	1.3	1.4	1.4	1.4	1.4
Brazil											
Fluid Milk	76.7	81.9	88.5	91.0	93.2	95.3	97.3	99.1	101.1	103.0	105.0
Butter	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5
Cheese	3.0	3.3	3.5	3.6	3.7	3.7	3.8	3.8	3.9	4.0	4.0
NFD Milk	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Whole Milk Powder	2.6	2.7	2.8	2.9	2.9	3.0	3.0	3.1	3.1	3.1	3.2
Canada											
Fluid Milk	91.6	89.6	89.0	88.3	87.7	87.2	86.6	86.0	85.4	84.9	84.3
Butter	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.2	2.2
Cheese	9.4	9.2	9.3	9.3	9.4	9.4	9.4	9.5	9.5	9.5	9.6
NFD Milk	2.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.2	2.2
China											
Fluid Milk	8.8	8.6	9.4	10.2	11.0	11.8	12.6	13.4	14.3	15.1	16.1
Butter	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Cheese	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3
NFD Milk	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Colombia											
Fluid Milk	98.2	99.3	100.7	101.4	102.3	103.0	103.6	104.0	104.5	105.0	105.5
Butter	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Cheese	1.3	1.3	1.3	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.4
NFD Milk	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Whole Milk Powder	1.4	1.5	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
Egypt											
Fluid Milk	18.8	19.7	20.4	20.9	21.4	21.8	22.1	22.4	22.7	22.9	23.2
Butter	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.8
Cheese	5.3	5.4	5.4	5.5	5.6	5.6	5.7	5.7	5.7	5.8	5.8
NFD Milk	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Whole Milk Powder	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6
European Union											
Fluid Milk	69.4	69.1	69.0	68.8	68.6	68.5	68.4	68.3	68.3	68.2	68.4
Butter	4.0	3.9	3.9	3.9	3.9	3.9	3.8	3.8	3.8	3.8	3.8
Cheese	13.0	13.1	13.3	13.6	13.9	14.1	14.3	14.5	14.8	15.0	15.2
NFD Milk	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.6	1.6
Whole Milk Powder	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.7
India											
Fluid Milk	36.1	37.9	39.3	40.7	41.2	41.7	42.2	42.7	43.2	43.6	44.1
Butter	2.9	3.1	3.4	3.5	3.7	3.8	3.9	4.0	4.1	4.2	4.3
NFD Milk	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3

