



**Milk South Africa
Melk Suid-Afrika**

**HIGHLIGHTS OF THE ATTACHED ANALYSES OF THE
IMPORT AND EXPORT OF DAIRY PRODUCTS FOR THE PERIOD**

JANUARY TO DECEMBER 2017

- *The mass of imports of dairy products in 2016 was 16.3 percent lower than in 2015. The decrease from 2015 to 2016 was due to the decrease in imports of four of the six categories of dairy products, while the mass of imports in of dairy products in 2017, was 43.6 percent higher than in 2016. The increase from 2016 to 2017 is due to the increase in imports of four of the six categories of dairy products.*
- *The average import prices of five of the six dairy categories, increased from 2016 to 2017.*
- *The mass of exports of dairy products in 2016 was 18.4 percent lower than in 2015. The mass of exports of dairy products in 2017, is 2.7 percent lower than in 2016. The decrease from 2016 to 2017 was due to the decrease in exports of four of the six categories of dairy products.*
- *The average f.o.b. export prices of five of the six different categories of dairy products increased from 2016 to 2017.*
- *The mass of imports and exports in 2016 showed that South Africa was a nett importer of concentrated milk (04.02), whey (04.04), butter (04.05) and cheese (04.06) and a nett exporter of milk and cream (04.01) and buttermilk and yoghurt (04.03).*
- *The mass of imports and exports in 2017 showed that South Africa was a nett importer of milk and cream (04.01), concentrated milk (04.02), whey (04.04), butter (04.05) and cheese (04.06) and a nett exporter of buttermilk and yoghurt (04.03).*
- *The exposure to foreign competition (that is imports plus exports) in 2015 was on a record high level, while the 2016 figure was much lower than the previous two years. The exposure in 2017 is higher than all the previous years.*

Import and export of dairy products up to December 2017

This report was compiled by the Office of SAMPRO and forms part of the industry information project of SAMPRO. The purpose of the project is to make market signals available to members and other interested parties, which is a pre-requisite for effective competition, as envisaged by the Competition Act.

All reports compiled by the Office of SAMPRO and all activities of the industry information project of SAMPRO are designed and implemented in accordance with the Competition Act and independently from commercial interest of any and all the members of SAMPRO.

INTRODUCTION

1. The import and export figures of dairy products during January to December 2017 were recently released by SARS.
2. In this document a brief analysis of import and export is provided per tariff heading.
3. The pattern of imports and exports within each year (the distribution per month of the total imports and exports of the year) differs significantly from year to year as described in Annexure B.

IMPORTS

4. The indices of mass of imports are indicated in table 1. (The mass of imports is indicated in Annexure A).

Table 1: Indices of mass of imports per tariff heading (2002=100)

Heading	Description	2010	2011	2012	2013	2014	2015	2016	2017
04.01	Milk and cream, unsweetened	5 330	3 990	7 306	2 046	3 352	12 877	9 213	18 779
04.02	Milk, concentrated	61	72	120	65	89	114	95	144
04.03	Buttermilk powder, yoghurt	156	242	243	180	237	301	288	356
04.04	Whey, whey powder etc	92	119	117	141	120	118	90	97
04.05	Butter, butter spreads and butter oil	148	213	413	212	140	347	362	361
04.06	Cheese and curd	203	217	419	269	312	409	426	395
TOTAL		142	153	240	145	163	282	236	339

5. The total mass of imports in 2016 was 16.3 percent lower than in 2015. The decrease from 2015 to 2016 was due to the decrease in imports of four of the six categories of dairy products.
6. The mass of imports in 2017 was 43.6 percent higher than in 2016. The increase from 2016 to 2017 was due to the increase in imports of four of the six categories of dairy products.
7. In Table 2, the mass of imports in January to December 2017 is compared with the mass of imports in January to December 2016.

Table 2: Imports in January to December 2017 and January to December 2016

Heading	Description	A 2017 Kg	B 2016 Kg	A as % van B
04.01	Milk and cream, unsweetened	39 175 443	19 219 616	203.8
04.02	Milk, concentrated	15 842 375	10 502 625	150.8
04.03	Buttermilk powder, yoghurt	3 141 948	2 540 075	123.7
04.04	Whey, whey powder etc	7 673 604	7 095 931	108.1
04.05	Butter, butter spreads and butter oil	5 343 309	5 356 852	99.7
04.06	Cheese and curd	12 327 764	13 285 247	92.8
Total		83 504 443	58 000 347	144.0

8. Butter (04.05) and cheese (04.06) are the dairy products of which the mass of imports were lower in the period January to December 2017 than in the same period the previous year.
9. Table 3 indicates the indices of the average f.o.b. import prices.

Table 3: Indices of the average f.o.b. import prices per tariff heading (2002=100)

Heading	Description	2010	2011	2012	2013	2014	2015	2016	2017
04.01	Milk and cream, unsweetened	40	45	44	47	68	61	59	61
04.02	Milk, concentrated	187	200	206	291	326	237	252	247
04.03	Buttermilk powder, yoghurt	143	158	160	247	292	195	177	197
04.04	Whey, whey powder etc	295	263	299	367	447	411	371	401
04.05	Butter, butter spreads and butter oil	244	246	231	270	370	304	361	530
04.06	Cheese and curd	129	145	134	173	206	183	191	208

10. Table 3 indicates that the indices of the average import prices of three of the six categories of dairy products in 2016 were higher than in 2015.
11. The indices of the average import prices of five of the six categories of dairy products in 2017 were higher than in 2016.
12. Table 4 indicates the average f.o.b. prices of the imported products.

Table 4: Average f.o.b. import prices per tariff heading

Heading	Description	2010 R/kg	2011 R/kg	2012 R/kg	2013 R/kg	2014 R/kg	2015 R/kg	2016 R/kg	2017 R/kg
04.01	Milk and cream, unsweetened	5.02	5.66	5.55	5.95	8.50	7.65	7.44	7.65
04.02	Milk, concentrated	24.36	26.17	26.85	37.95	42.63	30.92	32.94	32.31
04.03	Buttermilk powder, yoghurt	20.63	22.78	23.03	35.55	42.09	28.06	25.56	28.39
04.04	Whey, whey powder etc	22.98	20.46	23.33	28.62	34.82	31.98	28.90	31.24
04.05	Butter, butter spreads and butter oil	31.75	32.01	29.99	35.05	48.14	39.56	46.88	68.89
04.06	Cheese and curd	38.65	43.41	40.02	51.90	61.70	54.94	57.22	62.19

13. The average import price of five of the six different categories of dairy products increased from 2016 to 2017 as follows:
 - 04.01 2.8 percent,
 - 04.03 11.1 percent,
 - 04.04 8.1 percent,
 - 04.05 47.0 percent; and
 - 04.06 8.7 percent.
14. The import price of 04.02 decreased with 1.9 percent from 2016 to 2017.

EXPORTS

15. The indices of mass of exports are indicated in table 5. (The mass of exports is indicated in Annexure A).

Table 5: Indices of mass of exports per tariff heading (2002=100)

Heading	Description	2010	2011	2012	2013	2014	2015	2016	2017
04.01	Milk and cream, unsweetened	136	162	219	227	256	227	178	141
04.02	Milk, concentrated	33	52	47	109	60	45	38	77
04.03	Buttermilk powder, yoghurt	467	950	1 332	2 012	2 348	1 660	1 330	1 140
04.04	Whey, whey powder etc	922	304	335	598	453	1 025	925	964
04.05	Butter, butter spreads and butter oil	96	65	68	77	122	98	88	71
04.06	Cheese and curd	45	50	53	64	76	89	88	79
TOTAL		99	122	153	205	207	179	146	142

16. Table 5 indicates that:

- The index of total mass of exports in 2016 was 18.4 percent lower than in 2015. The decrease is due to the decrease in exports of all six categories of dairy products; and
- The total mass of exports in 2017 was 2.7 percent lower than in 2016. The decrease is due to the decrease in exports of four of the six categories of dairy products.

17. In Table 6, the mass of exports in January to December 2017 is compared with the mass of exports in January to December 2016.

Table 6: Exports in January to December 2017 and January to December 2016

Heading	Description	A 2017 Kg	B 2016 Kg	A as % van B
04.01	Milk and cream, unsweetened	18 044 769	22 804 187	79.1
04.02	Milk, concentrated	10 822 898	5 350 645	202.3
04.03	Buttermilk powder, yoghurt	11 053 751	12 903 458	85.7
04.04	Whey, whey powder etc	3 977 971	3 816 533	104.2
04.05	Butter, butter spreads and butter oil	1 087 716	1 350 229	80.6
04.06	Cheese and curd	3 639 588	4 022 491	90.5
Total		48 626 693	50 247 544	96.8

18. Table 6 indicates that the mass of exports of four of the six categories of dairy products were lower in the period January to December 2017, than in the same period in 2016.

19. Table 7 indicates the indices of the average f.o.b. prices of the exports of the six categories of dairy products.

Table 7: Indices of average f.o.b. export prices per tariff heading (2000 =100)

Heading	Description	2010	2011	2012	2013	2014	2015	2016	2017
04.01	Milk and cream, unsweetened	177	183	201	205	227	247	244	262
04.02	Milk, concentrated	171	140	145	116	179	184	220	247
04.03	Buttermilk powder, yoghurt	134	118	142	149	167	157	178	311
04.04	Whey, whey powder etc	78	124	119	196	188	133	322	168
04.05	Butter, butter spreads and butter oil	157	205	244	242	266	268	325	395
04.06	Cheese and curd	154	148	169	178	193	190	218	255

20. Table 7 indicates that:

- The average prices of exports of five of the six categories of dairy products in 2016 were higher than in 2015; and
- The average prices of exports of five of the six categories of dairy products in 2017 are higher than in 2016.

21. The average free on board (f.o.b.) export prices are indicated in table 8.

Table 8: Average f.o.b. export prices per tariff heading

Heading	Description	2010 R/kg	2011 R/kg	2012 R/kg	2013 R/kg	2014 R/kg	2015 R/kg	2016 R/kg	2017 R/kg
04.01	Milk and cream, unsweetened	7.38	7.61	8.39	8.55	9.45	10.30	10.16	10.93
04.02	Milk, concentrated	28.76	23.56	24.37	19.49	30.05	30.97	37.00	41.51
04.03	Buttermilk powder, yoghurt	16.02	14.07	16.97	17.76	19.97	18.76	21.27	37.12
04.04	Whey, whey powder etc	6.15	9.85	9.43	15.55	14.85	10.51	25.46	13.27
04.05	Butter, butter spreads and butter oil	23.92	31.11	37.06	36.75	40.37	40.66	49.40	59.94
04.06	Cheese and curd	36.75	35.43	40.44	42.47	46.11	45.50	52.00	60.86

22. The average export prices of five of the six different categories of dairy products increased from 2016 to 2017 as follows:

- 04.01 7.6 percent;
- 04.02 12.2 percent;
- 04.03 74.5 percent;
- 04.05 21.3 percent; and
- 04.06 17.0 percent.

The export price of 04.04 decreased with 47.9 percent from 2016 to 2017. The price of yogurt exports to Angola is totally inflated and was reported to SARS.

RATIO BETWEEN IMPORTS AND EXPORTS

23. The mass of the imports as a percentage of the mass of exports of dairy products by South Africa, is a highly aggregated indication of the industry's international competitiveness. The ratios between the mass of imports and exports of the six categories of dairy products are indicated in Table 9.

Table 9: Mass of the imports as a percentage of the mass of exports

Heading	Description	2010	2011	2012	2013	2014	2015	2016	2017
04.01	Milk and cream, unsweetened	63.7	40.0	54.3	14.7	21.4	92.5	84.3	217.1
04.02	Milk, concentrated	146.8	109.0	199.3	46.5	117.3	197.7	196.3	146.4
04.03	Buttermilk powder, yoghurt	30.5	23.1	16.6	8.2	9.2	16.5	19.7	28.4
04.04	Whey, whey powder etc	191.0	752.1	669.5	452.7	507.4	221.3	185.9	192.9
04.05	Butter, butter spreads and butter oil	149.1	317.8	591.1	266.7	111.4	344.1	396.7	491.2
04.06	Cheese and curd	303.9	293.2	536.5	286.6	281.2	314.2	330.3	338.7
TOTAL		77.5	103.3	90.2	112.6	50.6	56.5	115.4	171.7

24. As indicated in table 9:

- The ratio between the total mass of imports and exports in 2016 in respect of three of the six categories of dairy products, was lower than in 2015;
- The ratio between the total mass of imports and exports in 2017 in respect of one of the six categories of dairy products was lower than in 2016, namely concentrated milk (04.02);
- In 7 of the 8 year period (2010 to 2017) South Africa was a nett exporter of milk and cream classified under heading 04.01 and in each of the 8 years a nett exporter of buttermilk and yoghurt from heading 04.04; and
- In one of the 8 years (2010 – 2017), namely 2013, South Africa was a nett exporter of concentrated milk of heading 04.02.

EXPOSURE OF THE SOUTH AFRICAN DAIRY INDUSTRY TO FROREIGN COMPETITION

25. The sum of the mass of the imports and exports of dairy products by South Africa is a highly aggregated indication of the exposure of the South African dairy industry to foreign competition and it is indicated in Table 10.

Table 10: Mass of imports and exports (2002=100)

YEAR	IMPORT		EXPORT		IMPORT PLUS EXPORT	
	TON	INDEX	TON	INDEX	TON	INDEX
2002	24 617.40	100.0	34 328.20	100.0	58 945.60	100.0
2003	24 458.80	99.4	22 905.20	66.7	47 364.00	80.4
2004	18 289.50	74.3	23 508.10	68.5	41 797.60	70.9
2005	30 771.40	125.0	17 216.00	50.2	47 987.40	81.4
2006	30 878.60	125.4	26 543.30	77.3	57 421.90	97.4
2007	44 313.00	180.0	18 516.50	53.9	62 829.50	106.6
2008	34 009.40	138.2	42 781.00	124.6	76 790.40	130.3
2009	32 373.40	131.5	41 770.70	121.7	74 144.10	125.8
2010	35 061.20	142.4	33 950.60	98.9	69 011.80	117.1
2011	37 714.40	153.2	41 817.10	121.8	79 531.50	134.9
2012	59 012.55	239.7	52 500.96	152.9	111 513.49	189.2
2013	35 673.76	144.9	70 481.90	205.3	106 155.66	180.1
2014	40 199.03	163.3	71 098.95	207.1	111 297.99	188.8
2015	69 353.98	281.7	61 296.87	178.6	130 650.85	221.6
2016	58 000.35	235.6	50 247.54	146.4	108 247.89	183.6
2017	83 504.44	339.2	48 626.69	141.7	132 131.14	224.2

26. From Table 10 it is clear that the exposure to foreign competition of the South African dairy industry:
- Was in the years 2012, 2013 and 2014 dramatically higher than in the previous ten years namely 2002 to 2011;
 - Was in 2014, slightly lower than record high of 2012 and the second highest in the period of thirteen years from 2002 to 2014;
 - Was in 2015 much higher than in the previous thirteen years (2002 to 2014);
 - Was in 2016 much lower than in the previous two years (2014 to 2015) but higher than 2013; and
 - Was in 2017, higher than all the previous years. Increased imports were the main reason for this high exposure to foreign competition.

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19 February 2018

Tabel 1: Import and Export by heading in kg

Heading	Description	Import	Export	Import	Export	Import	Export
		2002 Kg	2002 Kg	2003 Kg	2003 Kg	2004 Kg	2004 Kg
04.01	Milk and cream, unsweetened	208 613	12 801 289	684 821	9 640 776	1 526 416	9 190 414
04.02	Milk, concentrated	11 018 625	14 039 210	6 703 019	7 452 953	3 067 368	5 972 199
04.03	Buttermilk powder, yoghurt	882 034	969 846	1 077 191	2 161 584	850 505	2 076 324
04.04	Whey, whey powder etc	7 906 468	412 723	6 271 924	268 045	6 777 606	2 628 212
04.05	Butter, butter spreads and butter oil	1 479 363	1 526 319	4 629 804	996 146	1 800 706	788 997
04.06	Cheese and curd	3 122 250	4 578 773	5 092 997	2 385 733	4 266 915	2 851 990
	Total	24 617 353	34 328 160	24 459 756	22 905 237	18 289 516	23 508 136

Heading	Description	Import	Export	Import	Export	Import	Export
		2005 Kg	2005 Kg	2006 Kg	2006 Kg	2007 Kg	2007 Kg
04.01	Milk and cream, unsweetened	2 105 485	8 666 131	4 943 877	12 559 045	13 858 507	7 277 746
04.02	Milk, concentrated	12 337 153	3 517 660	9 032 137	4 366 952	14 386 700	4 235 315
04.03	Buttermilk powder, yoghurt	1 689 886	2 969 313	1 561 696	4 980 518	1 611 115	3 904 306
04.04	Whey, whey powder etc	8 091 601	137 326	7 514 344	2 339 330	5 711 984	1 239 684
04.05	Butter, butter spreads and butter oil	2 722 816	846 786	3 141 909	770 915	3 331 164	880 002
04.06	Cheese and curd	3 824 459	1 078 744	4 684 645	1 526 513	5 413 513	979 477
	Total	30 771 400	17 215 960	30 878 608	26 543 273	44 312 983	18 516 530

Heading	Description	Import	Export	Import	Export	Import	Export
		2008 Kg	2008 Kg	2009 Kg	2009 Kg	2010 Kg	2010 Kg
04.01	Milk and cream, unsweetened	12 799 205	19 293 810	10 902 048	21 292 977	11 118 947	17 451 437
04.02	Milk, concentrated	5 852 035	11 446 267	5 385 534	7 864 904	6 771 519	4 612 872
04.03	Buttermilk powder, yoghurt	669 432	5 743 800	1 380 614	5 709 480	1 378 705	4 527 147
04.04	Whey, whey powder etc	7 539 920	3 298 052	6 259 760	3 852 586	7 267 982	3 805 172
04.05	Butter, butter spreads and butter oil	2 812 100	1 564 877	3 200 689	1 309 556	2 192 835	1 470 776
04.06	Cheese and curd	4 336 703	1 434 165	5 244 744	1 741 226	6 331 199	2 083 150
	Total	34 009 395	42 780 971	32 373 389	41 770 729	35 061 187	33 950 554

Heading	Description	Import	Export	Import	Export	Import	Export
		2011 Kg	2011 Kg	2012 Kg	2012 Kg	2013 Kg	2013 Kg
04.01	Milk and cream, unsweetened	8 324 364	20 801 621	15 240 656	28 077 665	4 267 449	29 074 468
04.02	Milk, concentrated	7 895 127	7 244 566	13 257 357	6 653 309	7 115 030	15 316 274
04.03	Buttermilk powder, yoghurt	2 131 189	9 215 883	2 146 004	12 913 857	1 590 917	19 517 880
04.04	Whey, whey powder etc	9 445 819	1 255 978	9 266 509	1 384 114	11 165 088	2 466 431
04.05	Butter, butter spreads and butter oil	3 153 315	992 242	6 107 761	1 033 349	3 132 054	1 174 557
04.06	Cheese and curd	6 764 628	2 306 790	13 084 240	2 438 666	8 403 219	2 932 285
	Total	37 714 442	41 817 080	59 102 527	52 500 960	35 673 757	70 481 895

POS	DESCRIPTION	<u>Import</u>	<u>Export</u>	<u>Import</u>	<u>Export</u>	<u>Import</u>	<u>Export</u>
		2014 Kg	2014 Kg	2015 Kg	2015 Kg	2016 Kg	2016 Kg
04.01	Milk and cream, unsweetened	6 992 447	32 751 503	26 863 360	29 051 149	19 219 616	22 804 187
04.02	Milk, concentrated	9 836 418	8 383 267	12 574 543	6 361 606	10 502 625	5 350 645
04.03	Buttermilk, yoghurt etc	2 086 328	22 774 653	2 653 250	16 098 030	2 540 075	12 903 458
04.04	Whey, whey powder etc	9 480 080	1 868 337	9 365 343	4 232 308	7 095 931	3 816 533
04.05	Butter, butter spreads and butter oil	2 071 983	1 860 197	5 131 861	1 491 368	5 356 852	1 350 229
04.06	Cheese and curd:	9 731 777	3 460 994	12 765 628	4 062 404	13 285 247	4 022 491
	Total	40 199 034	71 098 952	69 353 984	61 296 865	58 000 347	50 247 544

POS	DESCRIPTION	<u>Import</u>	<u>Export</u>	<u>Import</u>	<u>Export</u>	<u>Import</u>	<u>Export</u>
		2017 Kg	2017 Kg				
04.01	Milk and cream, unsweetened	39 175 443	18 044 769				
04.02	Milk, concentrated	15 842 375	10 822 898				
04.03	Buttermilk, yoghurt etc	3 141 948	11 053 751				
04.04	Whey, whey powder etc	7 673 604	3 977 971				
04.05	Butter, butter spreads and butter oil	5 343 309	1 087 716				
04.06	Cheese and curd:	12 327 764	3 639 588				
	Total	83 504 443	48 626 693			-	-

Graph 1

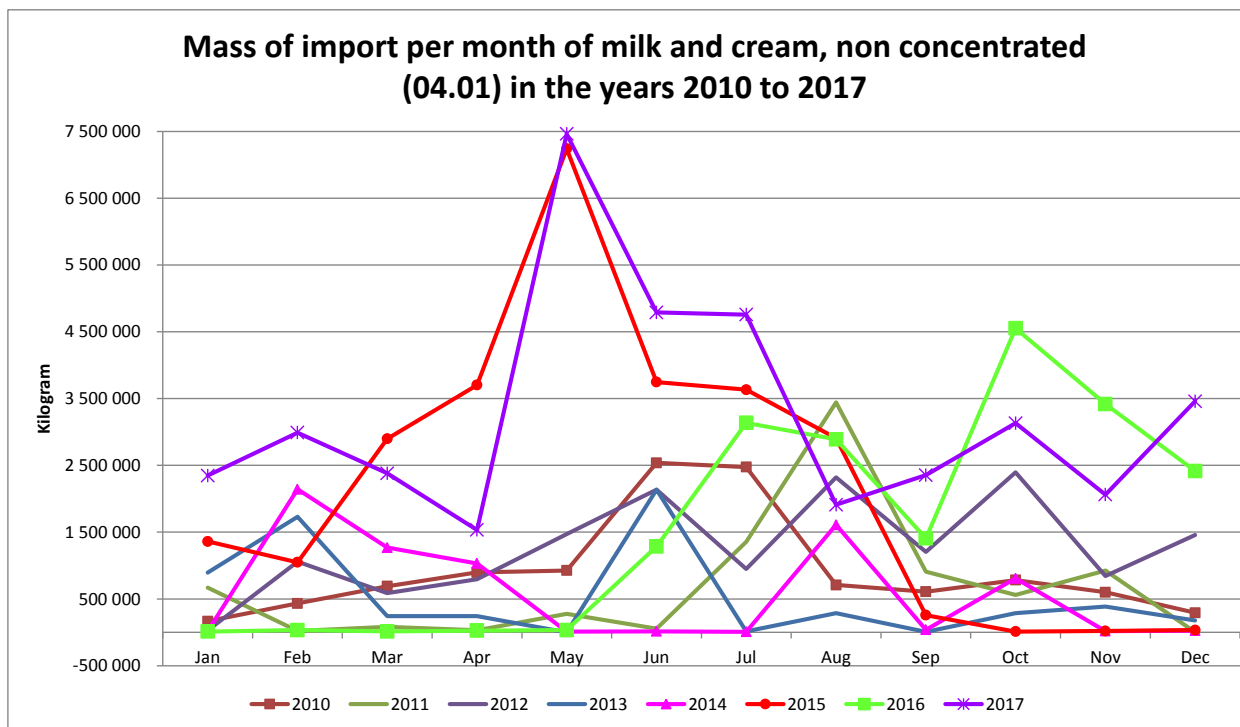


Table 1
Highest and lowest import month of milk and cream, non-concentrated (04.01) in the years 2010 to 2017

	Highest	Lowest
2010	June	January
2011	August	February
2012	October	January
2013	June	May
2014	February	July
2015	May	October
2016	June	January
2017	May	April

1) Graphs prepared by the Office of SAMPRO on the basis of information obtained from SARS.

Graph 2

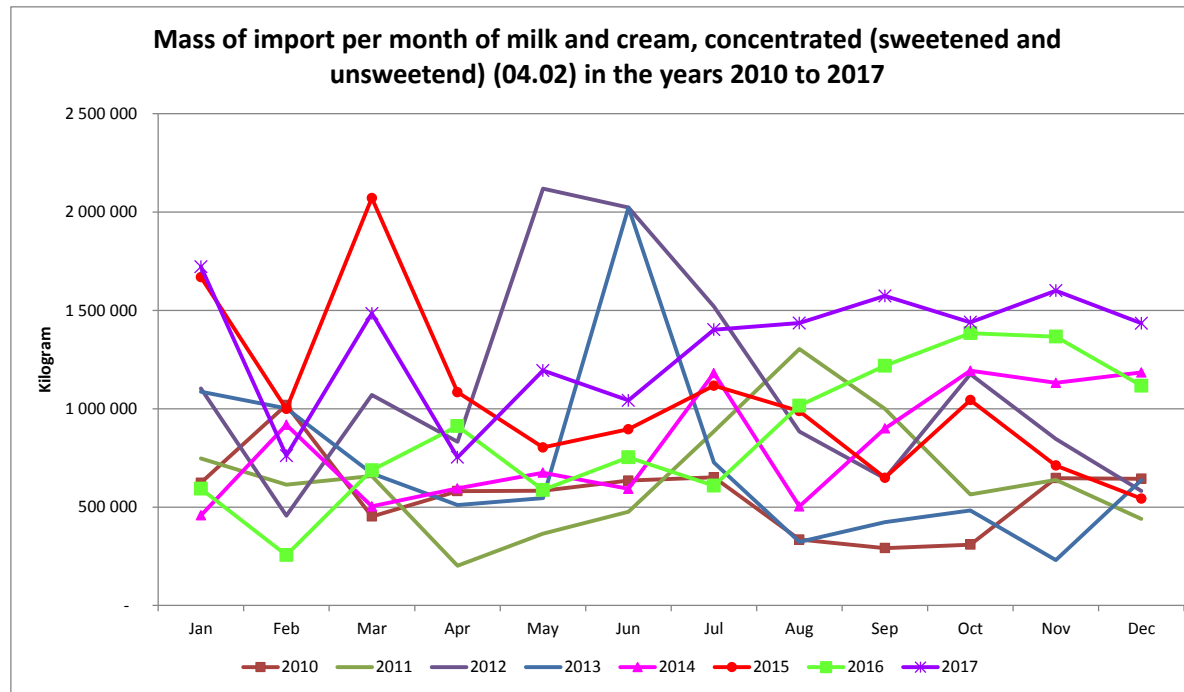


Table 2
Highest and lowest import month of milk and cream, concentrated (sweetened and unsweetened) (04.02) in the years 2010 to 2017

	Highest	Lowest
2010	February	September
2011	August	April
2012	May	February
2013	June	November
2014	October	January
2015	March	December
2016	October	February
2017	January	April

Graph 3

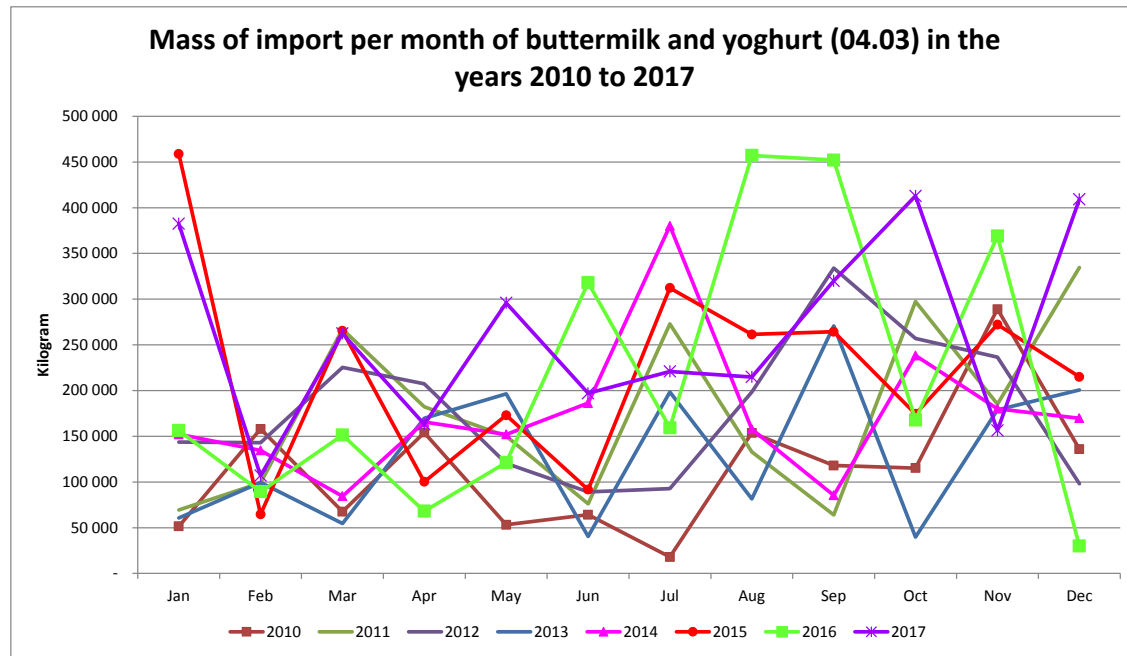


Table 3
Highest and lowest import month of buttermilk and yoghurt (04.03) in the years 2010 to 2017

	Highest	Lowest
2010	November	July
2011	December	September
2012	September	July
2013	September	October
2014	July	March
2015	January	February
2016	August	December
2017	October	February

Graph 4

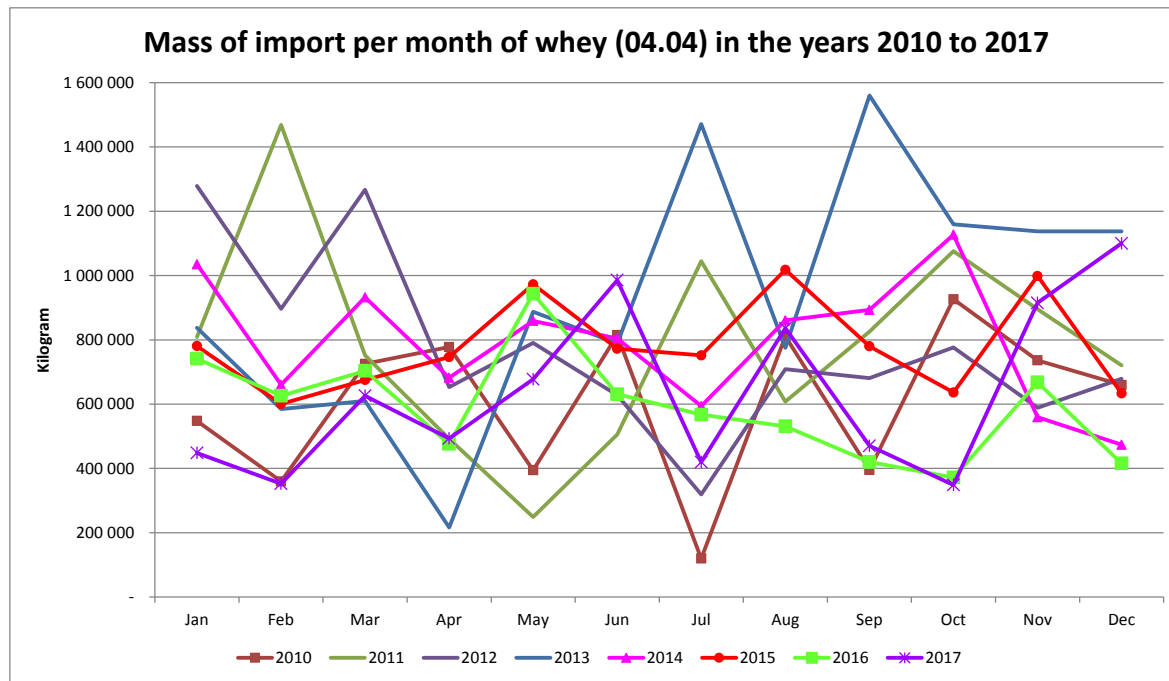


Table 4
Highest and lowest import month of whey (04.04) in the years 2010 to 2017

	Highest	Lowest
2010	October	July
2011	February	May
2012	January	July
2013	September	April
2014	October	December
2015	August	February
2016	May	April
2017	December	October

Graph 5

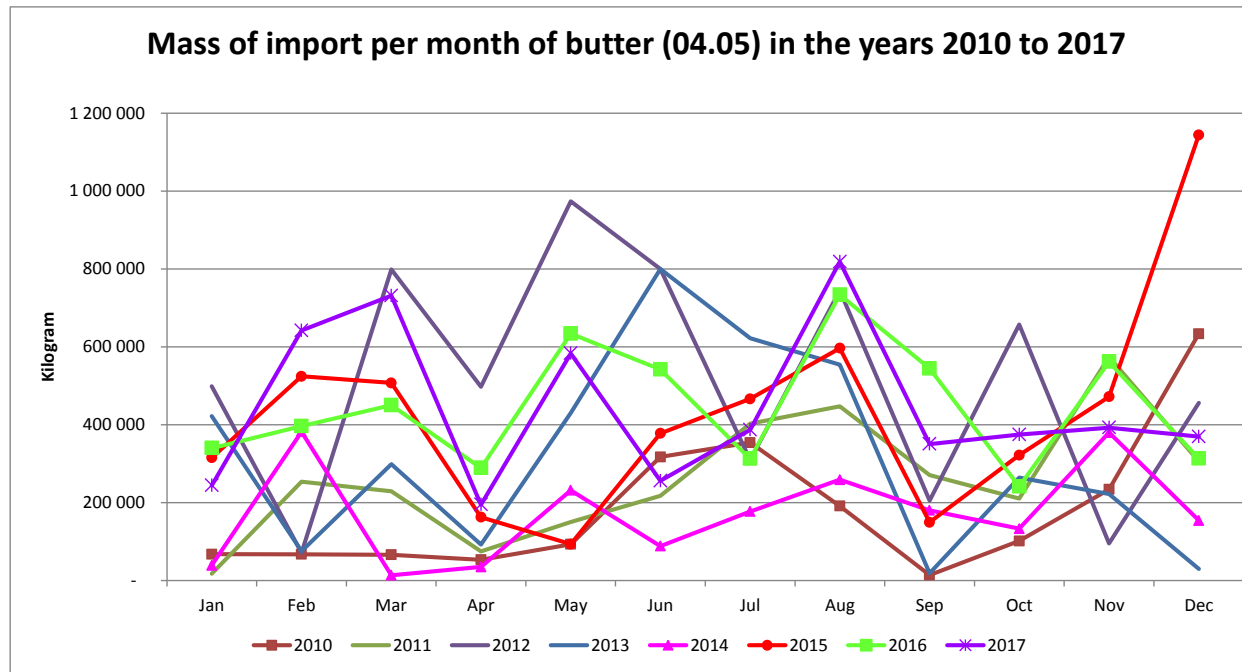


Table 5
Highest and lowest import month of butter (04.05) in the years 2010 to 2017

	Highest	Lowest
2010	December	September
2011	November	January
2012	May	February
2013	June	September
2014	February	March
2015	December	May
2016	August	October
2017	August	April

Graph 6

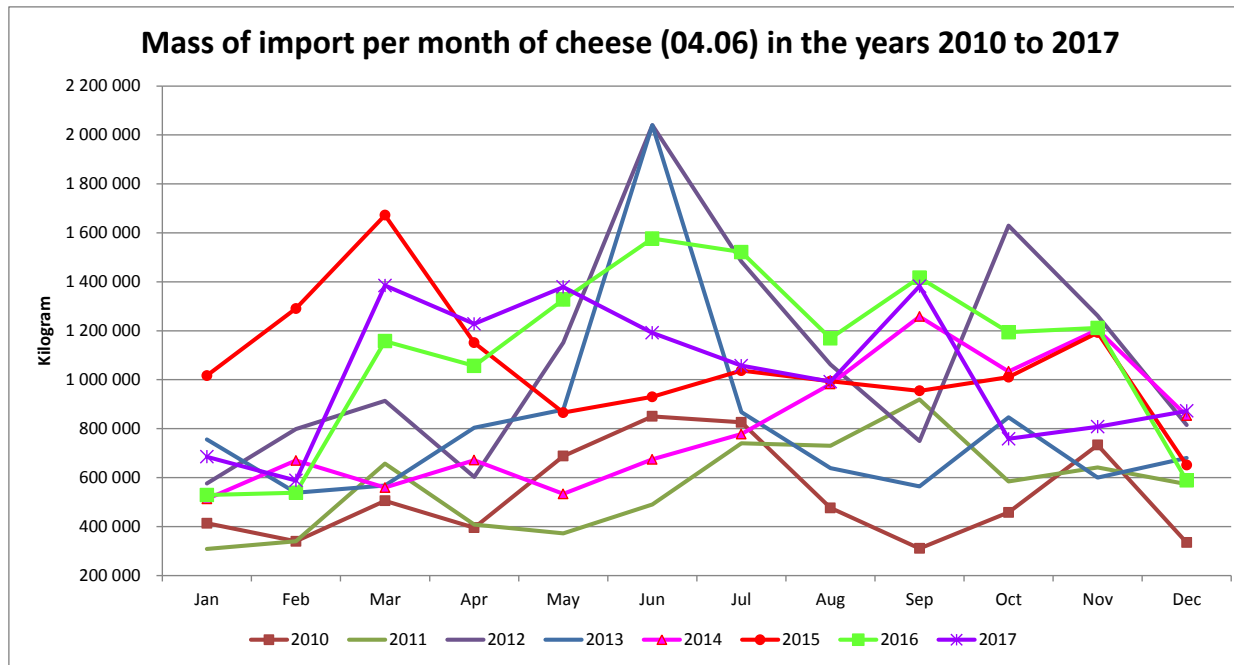


Table 6
Highest and lowest import month of cheese (04.06) in the years 2010 to 2017

	Highest	Lowest
2010	June	September
2011	September	January
2012	June	January
2013	June	February
2014	September	January
2015	March	December
2016	June	January
2017	March	February

Graph 7

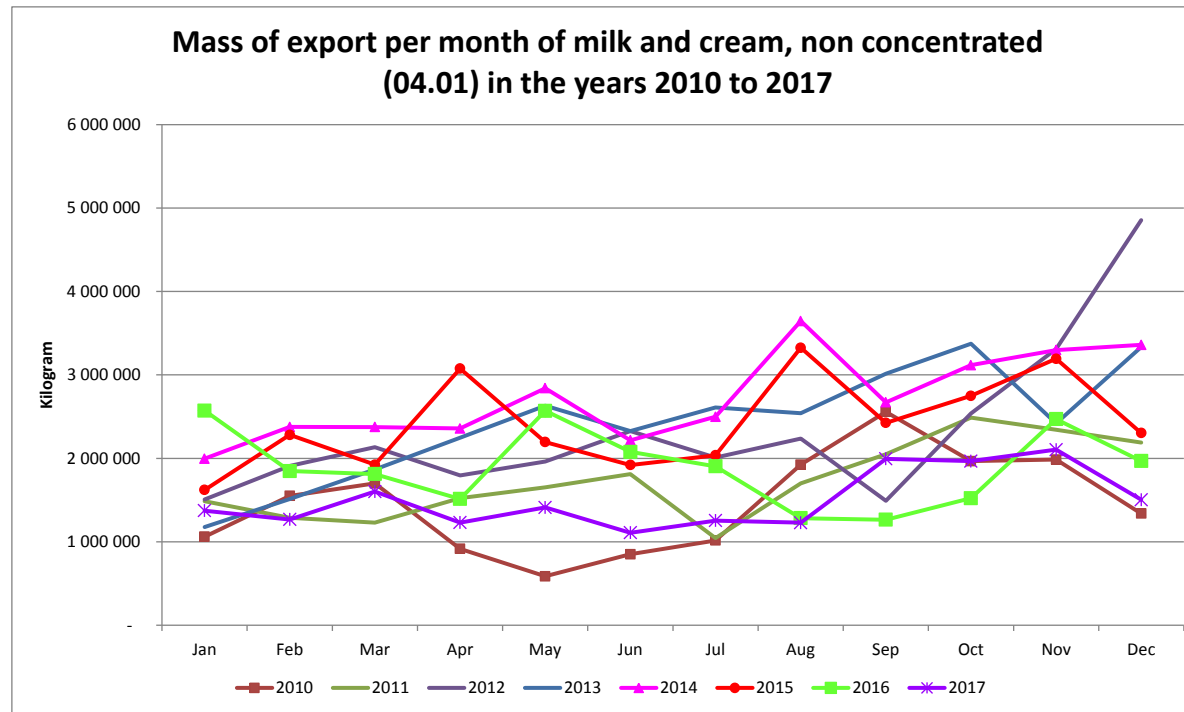


Table 7
Highest and lowest export month in terms of mass of milk and cream, non-concentrated (04.01) in the years 2010 to 2017

	Highest	Lowest
2010	September	May
2011	October	July
2012	December	September
2013	October	January
2014	August	January
2015	August	January
2016	January	September
2017	November	June

Graph 8

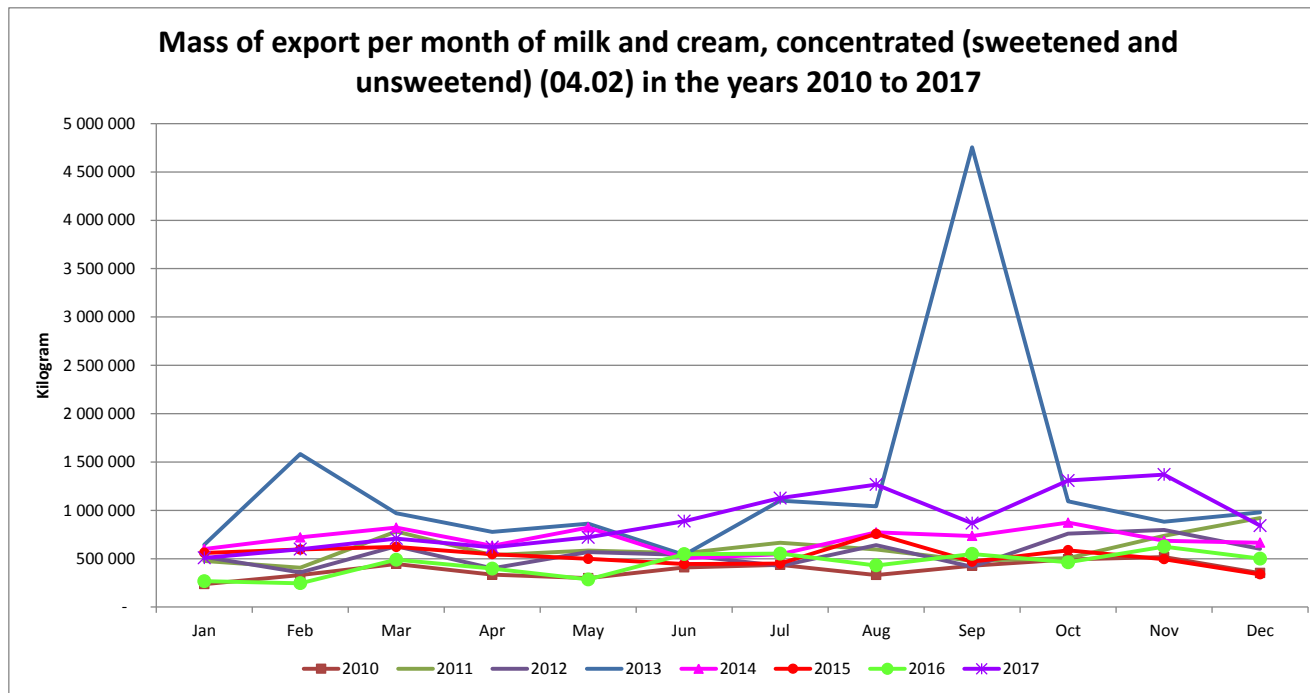


Table 8
Highest and lowest export month in terms of mass of milk and cream, concentrated (sweetened and unsweetened) (04.02) in the years 2010 to 2017

	Highest	Lowest
2010	November	January
2011	December	February
2012	November	February
2013	September	June
2014	September	June
2015	August	December
2016	November	February
2017	November	January

Graph 9

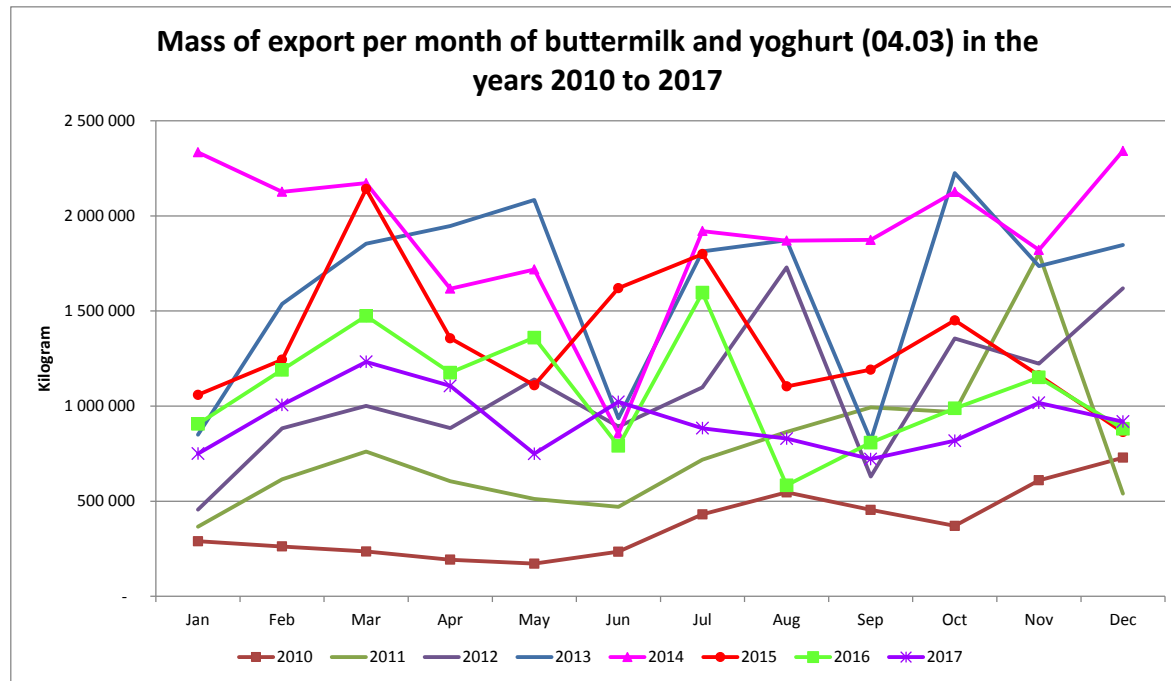


Table 9
Highest and lowest export month in terms of mass of buttermilk (04.03) in the years 2010 to 2017

	Highest	Lowest
2010	December	May
2011	November	January
2012	August	January
2013	October	September
2014	December	June
2015	March	December
2016	July	August
2017	March	September

Graph 10

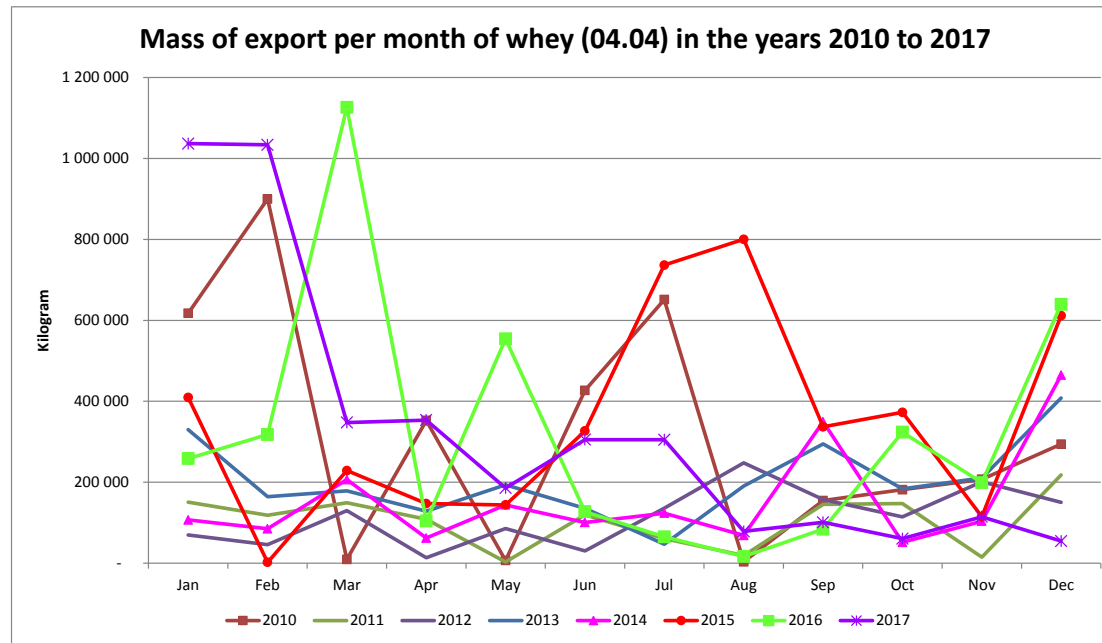


Table 10
Highest and lowest export month in terms of mass of whey (04.04) in the years 2010 to 2017

	Highest	Lowest
2010	February	August
2011	December	May
2012	August	April
2013	December	July
2014	December	October
2015	August	February
2016	March	August
2017	January	December

Graph 11

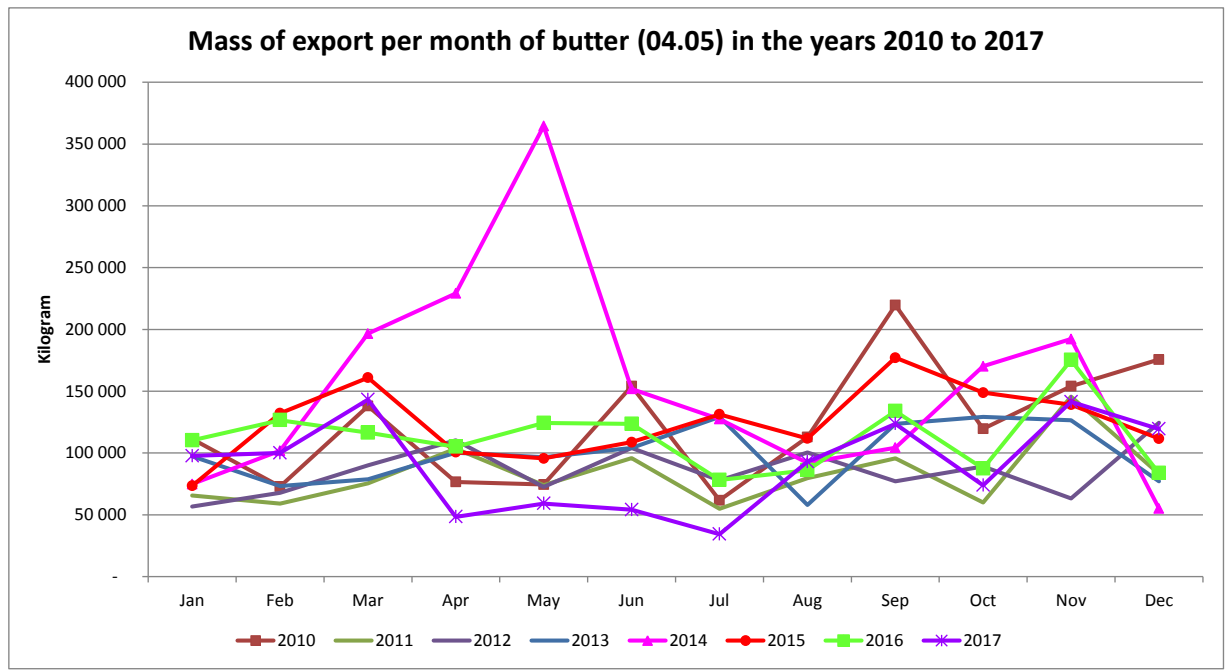


Table 11
Highest and lowest export month in terms of mass of butter (04.05) in the years 2010 to 2017

	Highest	Lowest
2010	September	July
2011	November	July
2012	December	January
2013	October	August
2014	May	December
2015	September	January
2016	November	July
2017	March	July

Graph 12

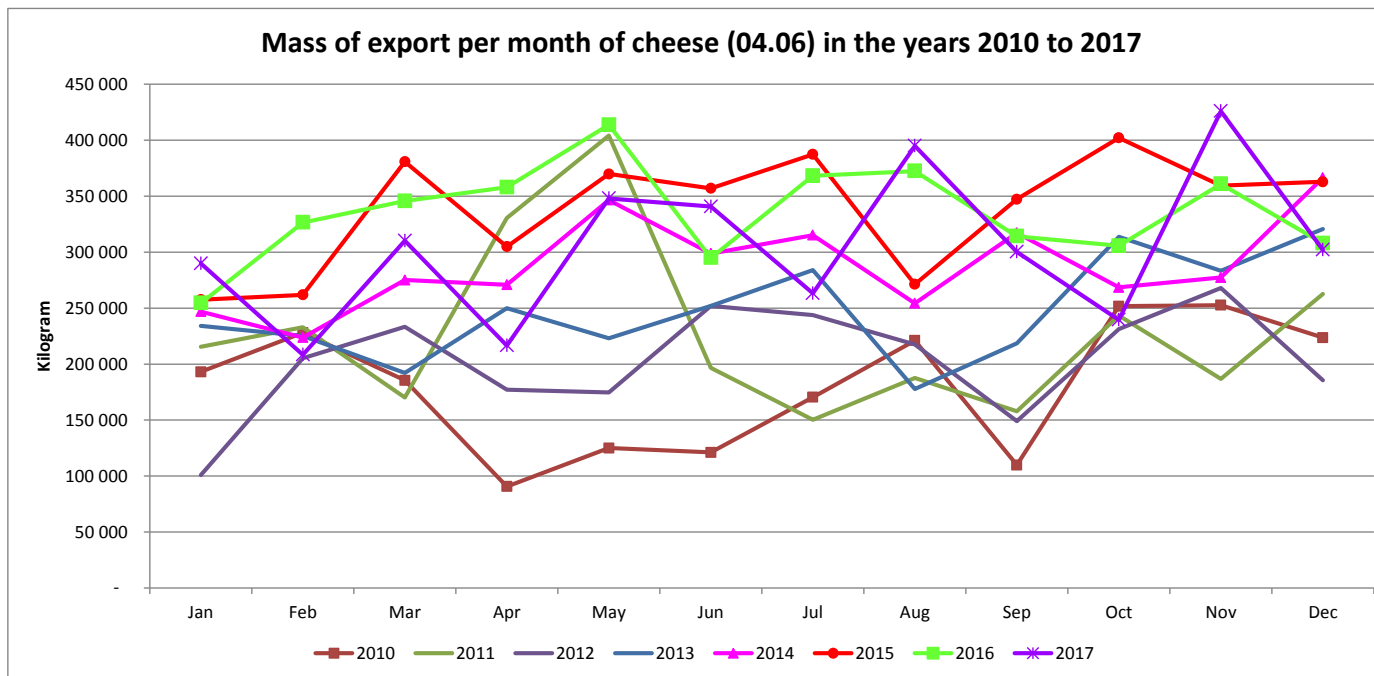


Table 12
Highest and lowest export month in terms of mass of cheese (04.06) in the years 2010 to 2017

	Highest	Lowest
2010	October	April
2011	May	July
2012	November	January
2013	December	August
2014	December	February
2015	October	January
2016	May	January
2017	November	February