

2015 (Jan.~Dec.)

STATISTICS OF FROZEN FOOD  
IN JAPAN

(Production, Imports, and Consumption)

June.2016

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Graph 1. Production Volume of Frozen Food in Japan

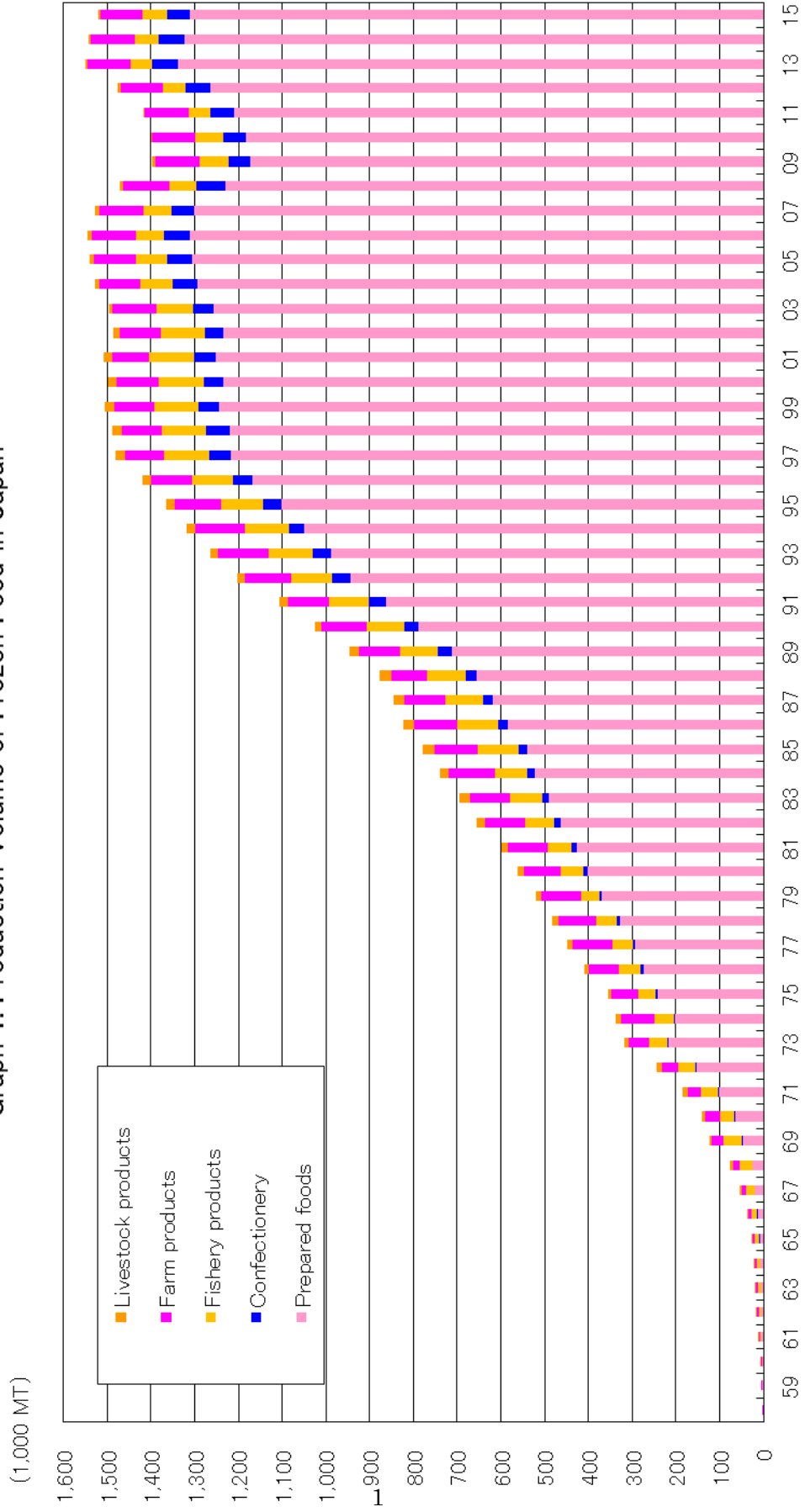


Table 1. Production Volume &amp; Value of Frozen Food in Japan (1995~2015)

Year	Number of Factories		Production Volume		Production Value	
		Year-on-Year	(MT)	Year-on-Year	(million yen)	Year-on-Year
1995	982	100.9%	1,364,864	103.5%	720,860	101.8%
1996	959	97.7%	1,419,684	104.0%	728,357	101.0%
1997	972	101.4%	1,482,037	104.4%	745,890	102.4%
1998	957	98.5%	1,488,910	100.5%	747,514	100.2%
1999	961	100.4%	1,504,962	101.1%	749,864	100.3%
2000	969	100.8%	1,498,700	99.6%	737,727	98.4%
2001	951	98.1%	1,508,102	100.6%	735,174	99.7%
2002	897	94.3%	1,485,326	98.5%	704,999	95.9%
2003	840	93.6%	1,496,690	100.8%	679,462	96.4%
2004	819	97.5%	1,526,625	102.0%	673,032	99.0%
2005	816	99.6%	1,539,009	100.8%	669,155	99.4%
2006	778	95.3%	1,545,204	100.4%	665,566	99.5%
2007	746	95.9%	1,527,564	98.9%	666,241	100.1%
2008	731	98.0%	1,471,396	96.3%	666,212	100.0%
2009	647	88.5%	1,396,035	94.9%	636,462	95.5%
2010	599	92.6%	1,399,703	100.3%	628,372	98.7%
2011	572	95.5%	1,417,907	101.3%	630,041	100.3%
2012	523	91.4%	1,476,368	104.1%	643,293	102.1%
2013	513	98.1%	1,550,085	105.0%	677,373	105.3%
2014	511	99.6%	1,541,891	99.5%	680,518	100.5%
2015	480	93.9%	1,550,085	100.5%	687,044	101.0%
2015/1995		48.9%		113.6%		95.3%
2015/2005		58.8%		100.7%		102.7%
2015/2010		80.1%		110.7%		109.3%

Graph 2. Production Volume of Frozen Food for Food Service & Retail in Japan

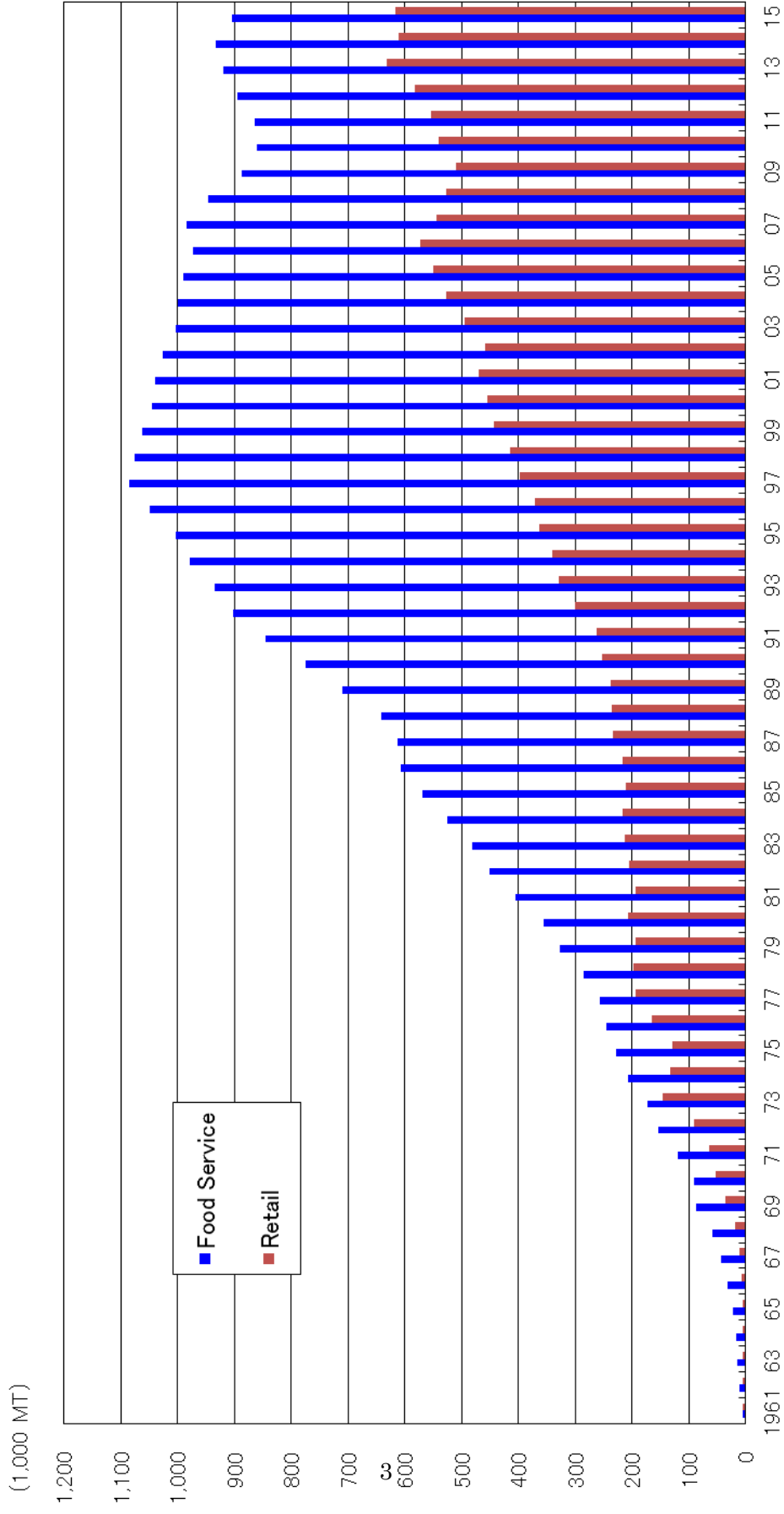


Table 2. Production Volume & Value of Frozen by Food Service & Retail in Japan

Volume

	Food service			Retail		
	(MT)	Year-on-Year	Composition ratio	(MT)	Year-on-Year	Composition ratio
2005	988,879	98.9%	64.3%	550,130	104.4%	35.7%
2006	973,203	98.4%	63.0%	572,001	104.0%	37.0%
2007	983,339	101.0%	64.4%	544,225	95.1%	35.6%
2008	945,556	96.2%	64.3%	525,840	96.6%	35.7%
2009	886,898	93.8%	63.5%	509,137	96.8%	36.5%
2010	859,342	96.9%	61.4%	540,361	106.1%	38.6%
2011	864,303	100.6%	61.0%	553,604	102.5%	39.0%
2012	894,582	103.5%	60.6%	581,786	105.1%	39.4%
2013	919,442	102.8%	59.3%	630,643	108.4%	40.7%
2014	929,372	101.1%	60.5%	607,020	96.3%	39.5%
2015	903,230	97.2%	59.4%	616,652	101.6%	40.6%

Value

	Food service			Retail		
	(million yen)	Year-on-Year	Composition ratio	(million yen)	Year-on-Year	Composition ratio
2005	431,697	98.7%	64.5%	237,458	100.7%	35.5%
2006	419,729	97.2%	63.1%	245,837	103.5%	36.9%
2007	424,644	101.2%	63.7%	241,597	98.3%	36.3%
2008	418,045	98.4%	62.7%	248,167	102.7%	37.3%
2009	395,952	94.7%	62.2%	240,510	96.9%	37.8%
2010	373,733	94.3%	59.4%	254,945	106.0%	40.6%
2011	369,297	99.0%	58.7%	260,300	102.1%	41.3%
2012	374,449	101.4%	58.1%	269,844	103.7%	41.9%
2013	392,114	104.7%	57.9%	285,259	105.7%	42.1%
2014	393,919	100.5%	58.3%	282,071	98.9%	41.7%
2015	392,594	99.7%	57.1%	294,450	104.4%	42.9%



Graph 3. Production Volume of Major Prepared Frozen Food in Japan

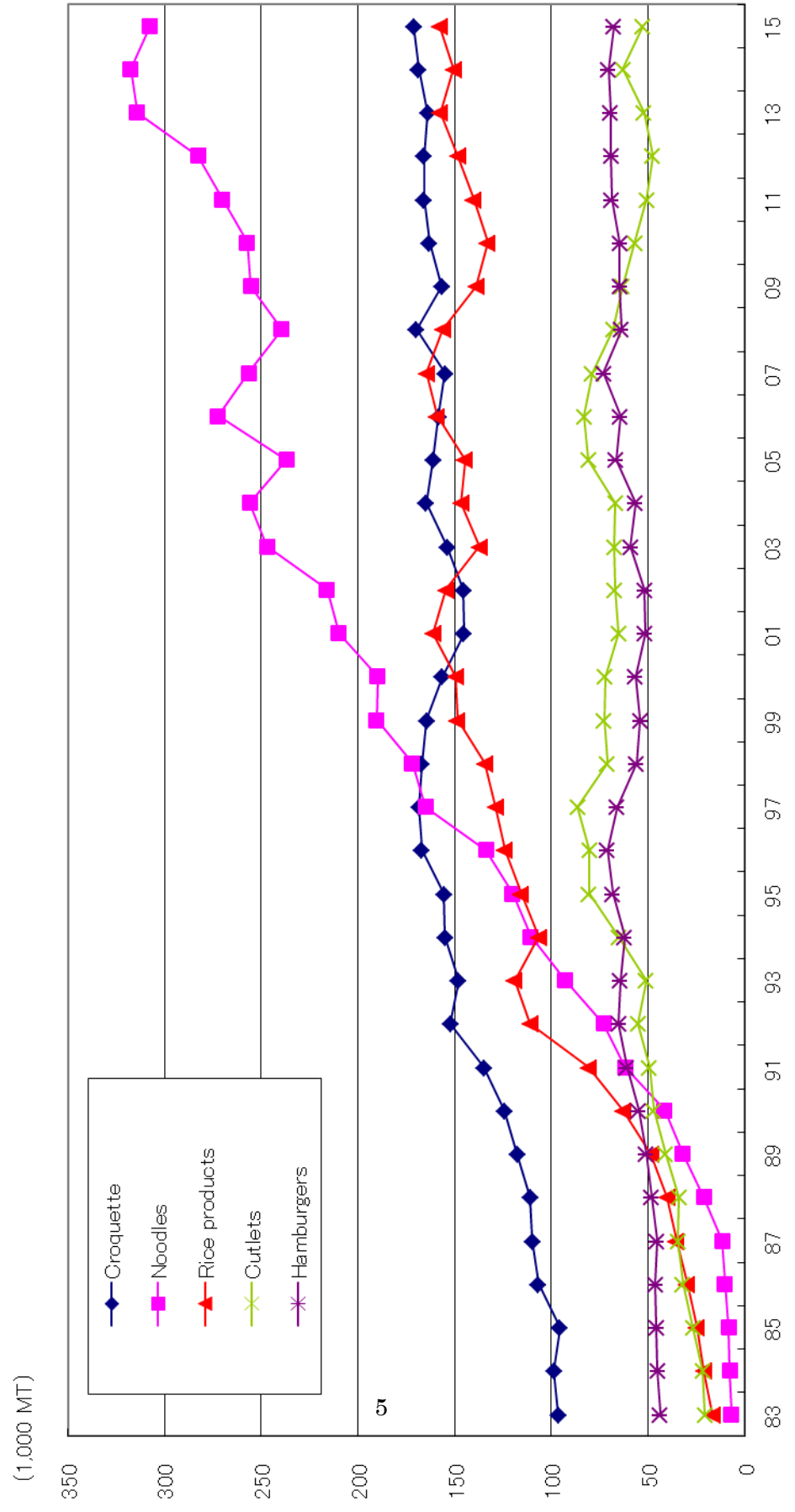


Table 3 Production Volume &amp; Value of Frozen Food by Category in Japan (2014 &amp; 2015)

Category		Volume			Value		
		2014	2015	2015/2014	2014	2015	2015/2014
Fishery Products		(MT)	(MT)		(million yen)	(million yen)	
	Fish	16,851	18,720	111.1%	14,210	12,947	91.1%
	Lobster/Shrimp	9,196	7,965	86.6%	6,976	5,659	81.1%
	Squid & Octopus	3,923	3,190	81.3%	2,800	2,181	77.9%
	Shellfish	10,206	12,395	121.4%	9,557	11,286	118.1%
	Other Fishery Products	12,392	14,494	117.0%	11,586	15,321	132.2%
Sub Total		52,568	56,764	108.0%	45,129	47,394	105.0%
Farm Products	Carrot	7,629	7,831	102.6%	1,096	1,146	104.6%
	Corn	12,983	12,115	93.3%	3,159	2,970	94.0%
	Pumpkin	11,816	10,144	85.8%	3,235	2,812	86.9%
	Potato	32,448	33,510	103.3%	6,670	6,624	99.3%
	Spinach	10,653	10,186	95.6%	4,021	4,343	108.0%
	Other Vegetables	24,631	21,464	87.1%	11,487	10,167	88.5%
	Fruits	1,325	1,341	101.2%	687	699	101.7%
Sub Total		101,485	96,591	95.2%	30,355	28,761	94.7%
Livestock Products		4,744	4,094	86.3%	3,925	3,776	96.2%
Fried Foods	Fried Shrimp/Lobster	5,769	5,807	100.7%	6,549	7,849	119.9%
	Fried Oyster	12,560	11,554	92.0%	9,579	9,541	99.6%
	Fried Fish	13,838	17,107	123.6%	9,250	10,803	116.8%
	Croquettes	168,595	171,122	101.5%	51,569	54,624	105.9%
	including cream croquettes	27,132	29,989	110.5%	10,033	11,892	118.5%
	Cutlets	63,094	52,697	83.5%	36,270	33,598	92.6%
	Fried Chicken	12,567	10,767	85.7%	8,983	7,975	88.8%
	Tempura* Kakiage ※1	11,375	9,757	85.8%	7,299	7,121	97.6%
	Other Fried Foods	68,250	63,526	93.1%	39,109	36,107	92.3%
Sub Total		356,048	342,337	96.1%	168,608	167,618	99.4%
Prepared Foods except for Fried Foods	Chinese-style fried rice	55,521	61,541	110.8%	19,055	20,939	109.9%
	Pilaf	47,816	48,406	101.2%	16,106	15,721	97.6%
	Rice balls	21,740	22,509	103.5%	7,191	6,289	87.5%
	Other rice	25,600	25,459	99.4%	10,261	10,717	104.4%
	Udon ※2	169,147	165,552	97.9%	27,593	27,015	97.9%
	Spaghetti	56,958	53,887	94.6%	17,695	17,303	97.8%
	Noodles	49,815	48,103	96.6%	13,961	12,619	90.4%
	Other Noodles	41,704	40,125	96.2%	12,963	12,217	94.2%
	Hamburgers	70,693	67,820	95.9%	35,482	34,927	98.4%
	Meatballs	35,112	31,328	89.2%	16,225	14,988	92.4%
	Shao-mai	38,205	35,875	93.9%	21,870	21,250	97.2%
	Gyoza	55,911	53,903	96.4%	32,179	32,673	101.5%
	Harumaki(Spring roll)	24,148	26,017	107.7%	8,676	9,355	107.8%
	Pizza	15,991	14,830	92.7%	10,025	8,950	89.3%
	Chinese Buns	16,204	16,946	104.6%	8,966	10,672	119.0%
	Bread & Dough	15,645	18,568	118.7%	6,145	7,774	126.5%
	Egg Products	45,499	38,041	83.6%	20,662	17,078	82.7%
	Gratin	30,917	30,244	97.8%	19,733	18,361	93.0%
	Stew, Soup, Sauce, etc.	17,765	16,905	95.2%	9,827	9,928	101.0%
	Takoyaki & Okonomiyaki ※3	33,523	46,111	137.6%	13,354	19,801	148.3%
Other Prepared Foods	98,511	106,150	107.8%	66,019	73,822	111.8%	
including soy products	15,356	20,171	131.4%	5,956	8,237	138.3%	
including Chinese daily dishes	7,644	5,860	76.7%	4,440	4,624	104.1%	
Sub Total		966,425	968,320	100.2%	393,988	402,399	102.1%
Prepared foods Total		1,322,473	1,310,657	99.1%	562,596	570,017	101.3%
Confectionery	Western confectionery	15,850	17,841	112.6%	11,986	15,504	129.4%
	Japanese confectionery	11,724	3,354	28.6%	6,421	2,668	41.6%
	Confectionery	33,048	30,583	92.5%	20,106	18,924	94.1%
	Sub Total	60,621	51,778	85.4%	38,513	37,096	96.3%
Grand Total		1,541,891	1,519,884	98.6%	680,518	687,044	101.0%

※1 Kakiage ( Mixture of vegetables and other ingredients fried in batter)

※2 Udon(Japanese wheat noodle)

※3 Takoyaki(Fried octopus dumpling), Okonomiyaki(Japanese-style hot-plate pizza)



Table 4. Production Volume &amp; Value of Imported Frozen Vegetables to Japan

No.	Country	Potato		Peas & Beans								Spinach	
		Volume	Value	Peas		Beans		Green soybeans		Other beans		Volume	Value
				Volume	Value	Volume	Value	Volume	Value	Volume	Value		
1	China	11,320	1,887	5,549	1,500	14,561	2,771	19,027	4,150	6,077	1,243	36,924	6,409
2	U.S.A.	239,990	37,854	3,597	693	480	85						
3	Thailand	26	30	27	17	7,623	1,750	20,389	5,386			284	81
4	Belgium	34,032	4,361	9	2	761	92					16	2
5	Taiwan							30,300	8,203	74	32	1,527	355
6	Canada	27,511	4,317										
7	Netherlands	19,563	2,162										
8	Ecuador												
9	Vietnam	16	4			31	8	40	9	33	27	1,163	271
10	New Zealand	3,091	488	2,751	452								
11	Indonesia	12	16			139	33	3,107	777	1			
12	Italy	260	59	20	7					533	132	491	155
13	Germany	2,565	342										
14	France	1,514	212	4	1	5	1			3	1	1	0
15	Mexico												
16	Peru	2	1										
17	Chile												
18	Egypt	1,742	197										
19	Guatemala			144	49	41	10						
20	Portugal												
21	Turkey											74	10
22	Spain			3	1							177	36
23	Poland			114	17	65	8						
24	Malaysia	271	36										
25	India			8	1	31	4						
26	Colombia	177	64										
27	R.Korea												
28	Australia									14	3		
29	Bulgaria												
30	Brazil												
31	UK	4	1										
32	Romania												
33	Sweden												
34	U.A.E												
35	Bangladesh												
36	Belarus												
37	Ukraine												
38	Russia												
39	Lietuvos												
Total		342,094	51,992	12,226	2,739	23,738	4,762	72,865	18,526	6,735	1,439	40,657	7,318
2015/2014 (%)		104.6%	117.4%	95.4%	107.6%	97.1%	111.2%	103.8%	120.1%	86.6%	98.9%	106.3%	118.4%

Source : Trade of Statistics of Japan (Japan Ministry of Finance)

(Unit Volume : MT , Value : Million Yen)

Sweetcorn		Taro (Satoimo)		Broccoli		Mixed Vegetables		Other Vegetables		Total				No.
Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	15/14	Value	15/14	
2,112	406	32,111	9,315	22,056	4,332	11,829	3,064	226,696	52,525	388,261	95.1%	87,602	101.1%	1
27,688	5,268					6,607	1,434	3,503	1,094	281,865	95.1%	46,427	110.3%	2
9,073	1,608	2	1			126	29	9,738	4,537	47,288	105.1%	13,439	116.9%	3
3	1					973	192	651	139	36,445	193.3%	4,789	187.7%	6
425	90	19	10					73	41	32,419	104.4%	8,731	120.6%	5
								1	1	27,512	99.4%	4,317	111.5%	4
								428	87	19,991	233.6%	2,249	215.4%	11
				17,634	4,584	27	9	515	141	18,176	121.5%	4,734	140.0%	9
256	55	2	1			1,000	498	12,787	3,834	15,327	115.2%	4,705	137.2%	8
4,790	876					1,305	211	2,780	741	14,717	105.8%	2,768	109.6%	7
								4,568	921	7,827	93.9%	1,747	105.7%	10
						17	5	1,674	614	2,995	67.0%	972	65.5%	12
								93	30	2,658	113.4%	372	103.9%	17
						28	8	1,031	302	2,586	117.9%	525	133.6%	13
				1,355	301	218	48	963	219	2,536	111.4%	569	117.4%	15
9	3	4	2					2,305	1,397	2,320	98.5%	1,403	114.0%	14
								1,829	974	1,829	87.6%	974	98.7%	16
								2	1	1,744	101.5%	198	106.5%	18
				1,259	318					1,445	111.0%	377	132.3%	19
								830	166	830	120.5%	166	117.7%	20
								637	135	711	201.6%	145	328.0%	21
				38	6	2	1	446	175	666	102.6%	219	112.3%	22
				247	40	141	19	73	15	639	297.2%			26
										271	-	36	-	44
136	18							2	1	177	66.0%	24	70.6%	23
										177	81.2%	64	85.3%	24
								55	20	55	31.9%	20	43.5%	25
								10	10	24	184.6%	13	433.0%	28
								7	12	7	64.2%	12	58.0%	31
								5	2	5	120.8%	2	90.6%	33
										4	-	1	-	36
								4	8	4	236.0%	8	223.5%	37
								3	7	3	200.0%	7	178.9%	32
								3	2	3	139.5%	2	146.0%	34
								2	1	2	68.4%	1	109.2%	38
								1	1	1	-	1	-	43
								0	1	0	43.7%	1	52.1%	40
								0	1	0	37.5%	1	35.8%	41
								0	1	0	-	1	-	43
44,491	8,324	32,138	9,329	42,589	9,580	22,271	5,519	271,714	68,156	911,518		187,684		
106.5%	118.5%	70.6%	64.3%	110.1%	127.0%	91.9%	101.4%	98.0%	107.5%	100.4%		109.1%		

Table 5. Production Volume & Value of Imported Frozen Vegetables to Japan

Volume

(Unit : MT)

Year	Potato	Beans	Spinach	Sweetcorn	Taro (Satoimo)	Broccoli	Mixed Vegetables	Other Vegetables	Total
2005	281,071	131,150	21,785	46,635	47,596	23,284	31,728	203,258	786,507
2006	301,326	128,216	21,585	46,861	51,471	24,979	33,417	224,024	831,880
2007	308,351	116,045	24,212	47,518	45,546	23,788	29,824	225,843	821,128
2008	315,733	106,412	23,118	44,964	38,845	22,712	23,281	195,499	770,563
2009	320,000	103,261	22,084	43,162	37,544	23,116	21,695	190,136	760,997
2010	347,445	114,423	27,088	42,420	36,297	26,577	23,436	211,720	829,406
2011	361,202	117,876	33,443	46,858	38,781	31,360	26,937	242,900	899,356
2012	385,554	118,372	32,421	48,607	39,443	36,059	27,114	264,471	952,041
2013	347,254	117,336	34,888	47,283	40,936	34,441	27,290	274,823	924,251
2014	327,036	115,252	38,263	41,764	45,537	38,679	24,239	277,194	907,964
2015	342,094	115,564	40,657	44,491	32,138	42,589	22,271	271,714	911,518

Value

(Unit : million yen)

Year	Potato	Beans	Spinach	Sweetcorn	Taro (Satoimo)	Broccoli	Mixed Vegetables	Other Vegetables	Total
2005	29,235	19,403	3,275	6,372	5,081	3,438	5,337	35,128	107,269
2006	33,630	20,618	3,131	6,998	6,376	3,928	6,070	42,170	122,923
2007	36,500	19,310	3,546	7,329	5,681	3,881	5,647	44,089	125,981
2008	37,547	16,879	3,138	6,632	4,405	3,664	4,116	34,760	111,140
2009	36,508	16,005	2,710	6,237	4,206	3,522	3,620	31,889	104,698
2010	37,463	17,102	3,226	5,562	5,430	3,858	3,701	35,351	111,693
2011	37,091	17,219	4,135	5,520	6,056	4,497	4,192	41,468	120,178
2012	40,745	18,538	4,109	6,166	5,936	5,267	4,382	47,961	133,104
2013	45,031	22,311	5,277	7,394	7,700	6,110	5,457	57,929	157,210
2014	44,301	23,711	6,180	7,026	14,505	7,546	5,289	63,408	171,965
2015	51,992	27,466	7,318	8,324	9,329	9,580	5,519	68,156	187,684

Value/kg

(Unit : yen)

Year	Potato	Beans	Spinach	Sweetcorn	Taro (Satoimo)	Broccoli	Mixed Vegetables	Other Vegetables	Total
2005	104	148	150	137	107	148	168	173	136
2006	112	161	145	149	124	157	182	188	148
2007	118	166	146	154	125	163	189	195	153
2008	119	159	136	147	113	161	177	178	144
2009	114	155	123	145	112	152	167	168	138
2010	108	149	119	131	150	145	158	167	135
2011	103	146	124	118	156	143	156	171	134
2012	106	157	127	127	150	146	162	181	140
2013	130	190	151	156	188	177	200	211	170
2014	135	206	162	168	319	195	218	229	189
2015	152	238	180	187	290	225	248	251	206

Graph 5. Production Volume of Imported Frozen Vegetables from 10 Countries to Japan

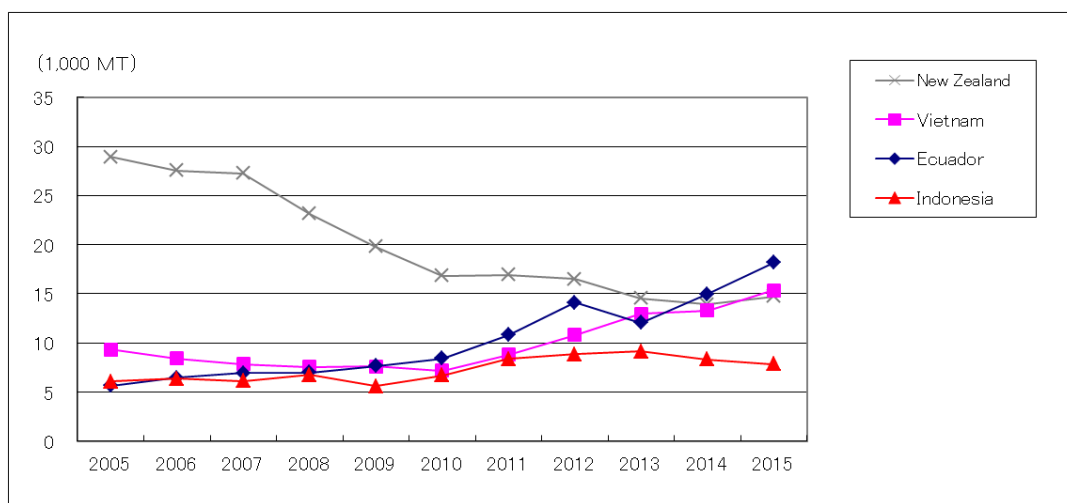
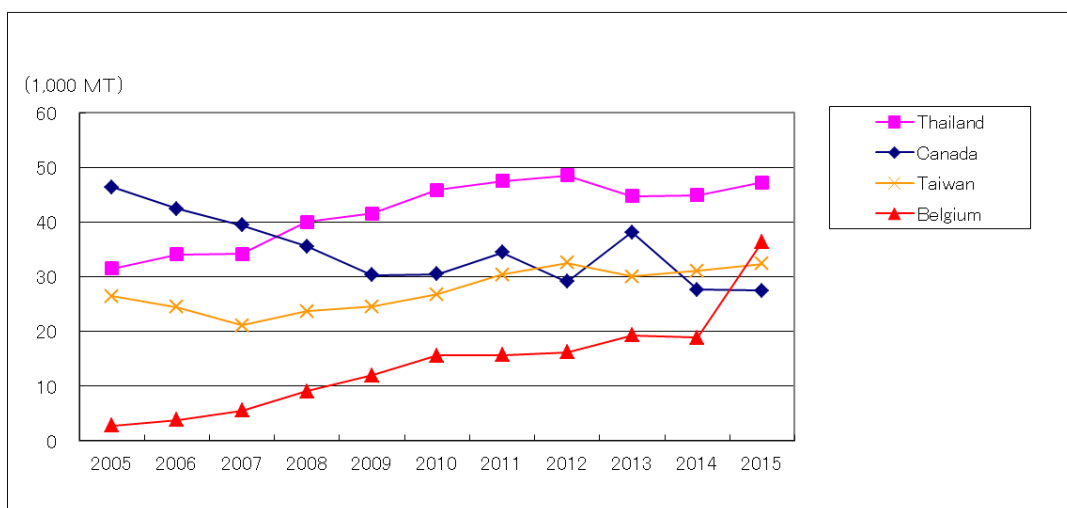
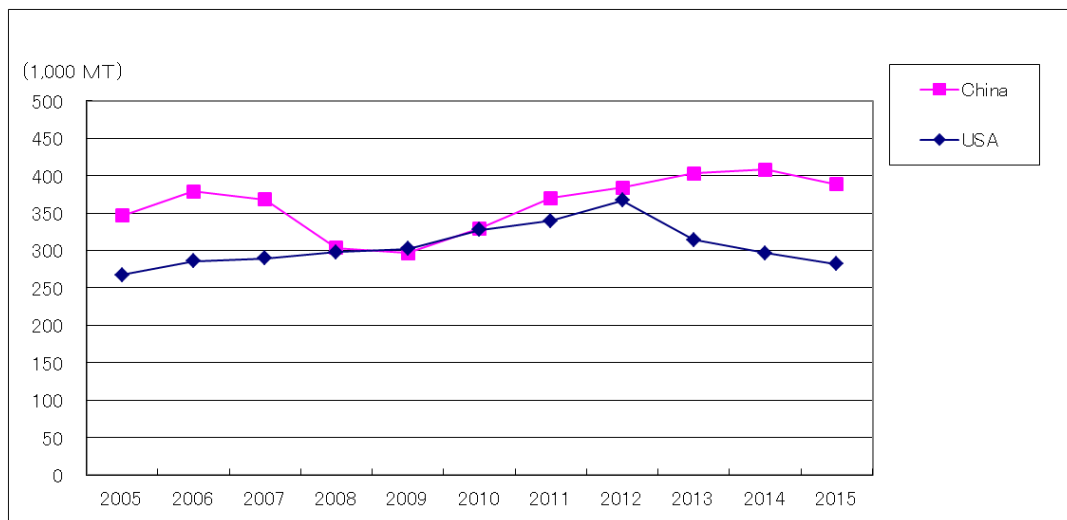


Table 6. Production Volume of Imported Frozen Vegetables from Top 10 Countries to Japan

## Volume

(Unit : MT)

	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
China	346,234	378,706	368,073	303,586	296,212	329,207	369,923	384,011	403,065	408,230	388,261
USA	267,419	285,541	289,235	297,974	302,357	327,477	339,363	367,115	314,334	296,494	281,865
Thailand	31,527	34,131	34,200	40,034	41,643	45,946	47,519	48,566	44,774	44,997	47,288
Belgium	2,777	3,792	5,499	9,049	11,961	15,551	15,714	16,188	19,285	14,964	36,445
Taiwan	26,401	24,447	21,125	23,716	24,538	26,823	30,388	32,572	30,054	27,971	32,419
Canada	46,391	42,442	39,483	35,581	30,329	30,474	34,482	29,069	38,159	31,069	27,512
Ecuador	5,652	6,443	6,907	6,996	7,659	8,410	10,806	14,088	12,037	13,311	18,176
Vietnam	9,311	8,413	7,829	7,560	7,604	7,173	8,818	10,806	12,960	13,905	15,327
New Zealand	28,949	27,547	27,243	23,160	19,784	16,833	16,918	16,497	14,524	14,964	14,717
Indonesia	6,063	6,343	6,105	6,746	5,589	6,704	8,355	8,830	9,146	8,557	7,827

## Value

(Unit : million yen)

	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
China	50,184	60,810	61,248	45,060	41,566	47,675	55,314	60,108	74,723	86,692	87,602
USA	29,503	33,693	36,069	36,941	36,319	36,871	35,733	40,445	42,740	42,002	46,427
Thailand	6,110	6,898	7,161	8,193	8,279	8,638	8,680	9,531	10,231	11,501	13,439
Taiwan	5,251	5,268	4,559	4,753	4,616	4,769	5,109	5,620	4,908	7,241	8,731
Belgium	359	469	698	1,128	1,365	1,589	1,720	1,538	2,455	3,429	4,789
Ecuador	1,144	1,343	1,454	1,350	1,400	1,488	1,790	2,359	2,463	2,526	4,734
Vietnam	1,581	1,430	1,401	1,311	1,350	1,254	1,539	1,994	2,978	2,551	4,705
Canada	5,084	4,818	4,598	4,045	3,310	3,251	3,535	3,165	6,487	3,873	4,317
New Zealand	3,822	3,862	3,989	3,483	2,735	2,274	2,133	2,314	2,425	3,406	2,768
Indonesia	1,159	1,232	1,216	1,210	965	1,084	1,290	1,372	1,666	1,044	1,747



Graph 6. Consumption Volume of Frozen Food in Japan

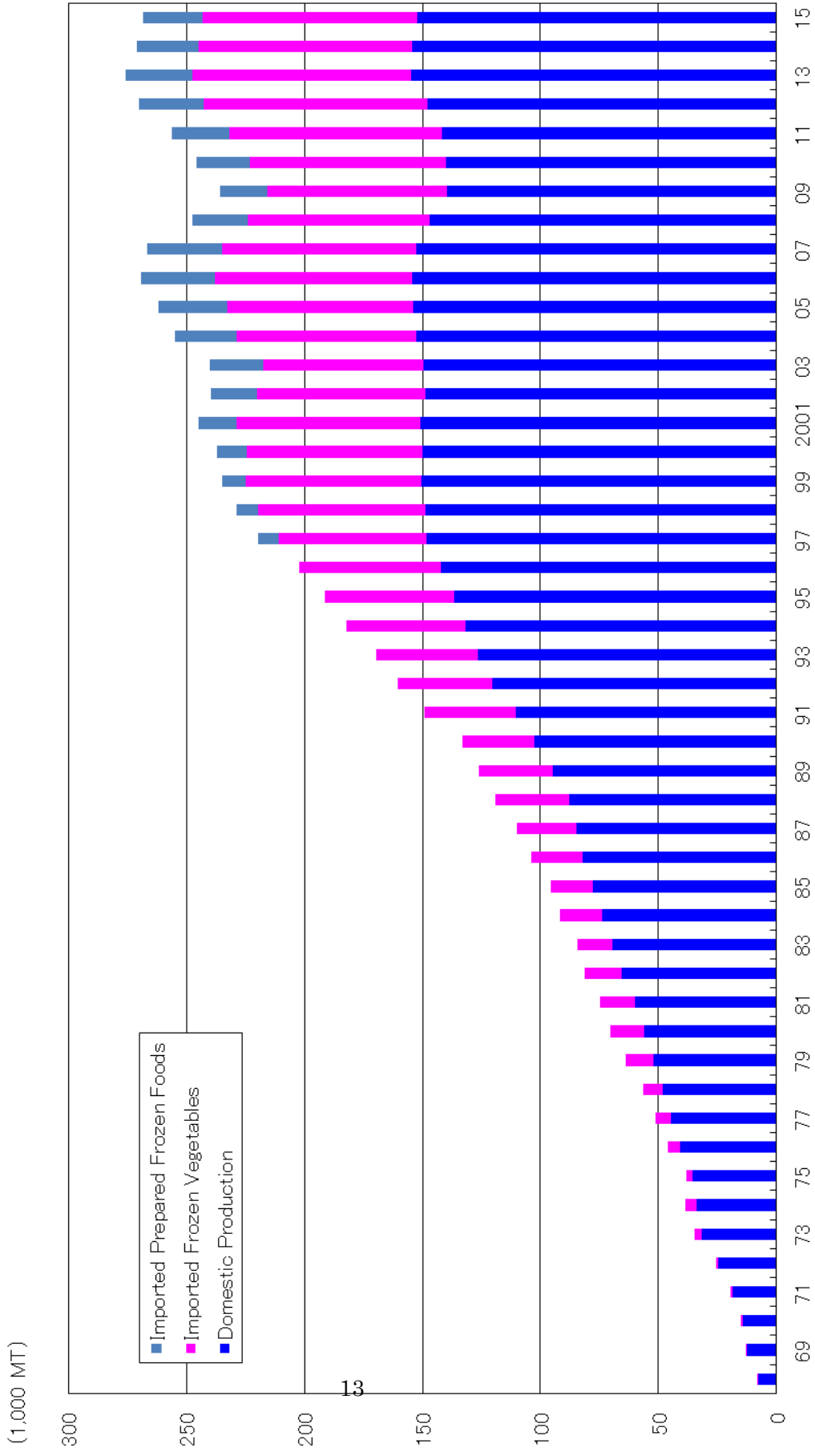


Table 7. Consumption Volume of Frozen Food in Japan (1971–2015)

Year	Domestic Production (MT)	Imported Frozen Vegetables (MT)	Imported Prepared Frozen Foods (MT)	Total (Consumption) (MT)
1971	183,953	8,529	–	192,482
1972	244,875	11,006	–	255,881
1973	317,772	29,598	–	347,370
1974	338,820	49,339	–	388,159
1975	355,131	24,954	–	380,085
1976	409,150	52,032	–	461,182
1977	448,601	63,869	–	512,470
1978	482,913	81,293	–	564,206
1979	521,200	117,624	–	638,824
1980	562,165	140,756	–	702,921
1981	598,647	150,248	–	748,895
1982	655,054	157,067	–	812,121
1983	694,351	149,762	–	844,113
1984	740,268	178,156	–	918,424
1985	778,346	179,605	–	957,951
1986	823,064	214,495	–	1,037,559
1987	845,711	254,760	–	1,100,471
1988	876,731	312,525	–	1,189,256
1989	946,706	315,354	–	1,262,060
1990	1,025,429	305,144	–	1,330,573
1991	1,106,070	387,022	–	1,493,092
1992	1,202,613	400,805	–	1,603,418
1993	1,263,201	431,818	–	1,695,019
1994	1,319,160	501,039	–	1,820,199
1995	1,364,864	548,429	–	1,913,293
1996	1,419,684	604,036	–	2,023,720
1997	1,482,037	627,242	85,205	2,194,484
1998	1,488,910	705,568	94,178	2,288,656
1999	1,504,962	742,697	99,427	2,347,086
2000	1,498,700	744,332	127,748	2,370,780
2001	1,508,102	776,708	160,868	2,445,678
2002	1,485,326	717,220	193,313	2,395,859
2003	1,496,690	679,795	222,825	2,399,310
2004	1,526,625	761,348	259,433	2,547,406
2005	1,539,009	786,507	291,098	2,616,614
2006	1,545,204	831,880	315,436	2,692,520
2007	1,527,564	821,128	319,796	2,668,488
2008	1,471,396	770,563	232,224	2,474,183
2009	1,396,035	760,997	201,826	2,358,858
2010	1,399,703	829,406	227,618	2,456,727
2011	1,417,907	899,356	246,330	2,563,593
2012	1,476,368	952,041	273,635	2,702,044
2013	1,550,085	924,251	282,651	2,756,987
2014	1,541,891	907,964	261,237	2,711,092
2015	1,519,883	911,518	250,405	2,681,806

Graph 7. Consumption Volume of Frozen Food by Category in Japan

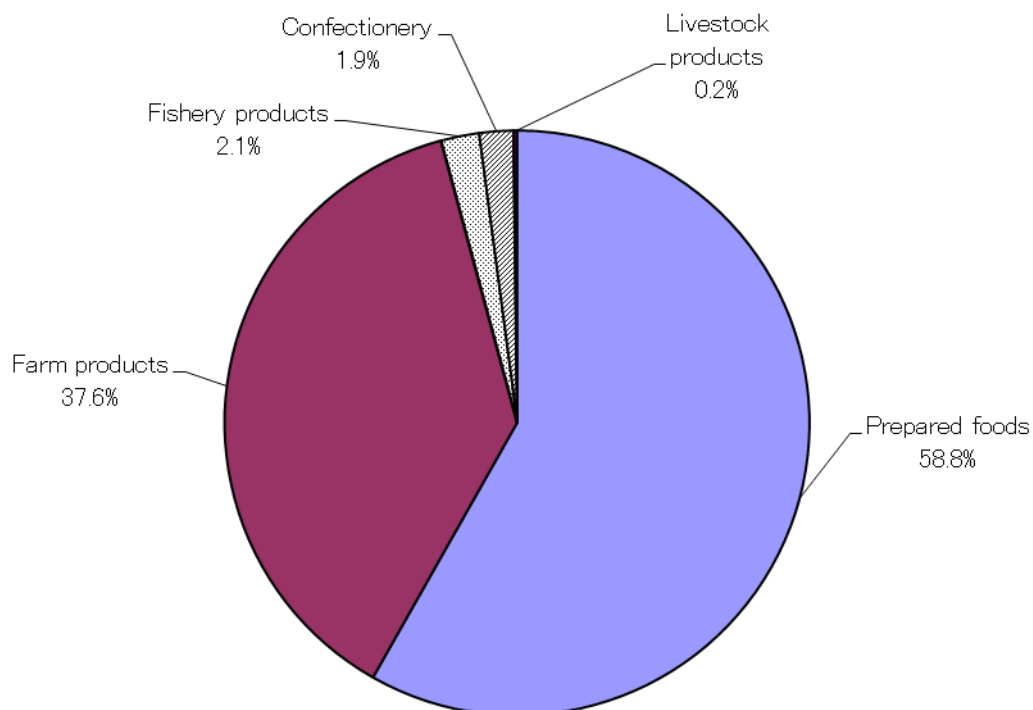


Table 8. Consumption Volume & Value of Frozen Food by Category in Japan

Category	Volume		Value	
	(MT)	Composition ratio	(million yen)	Composition ratio
Fishery products	56,764	2.1%	47,394	4.7%
Farm products	1,008,109	37.6%	216,445	21.3%
(Imported)	(911,518)	(34.0%)	(187,684)	(18.5%)
Livestock products	4,094	0.2%	3,776	0.4%
Prepared foods	1,561,062	58.2%	710,882	70.0%
(Imported)	(250,405)	(9.3%)	(140,865)	(13.9%)
Confectionery	51,778	1.9%	37,096	3.7%
Total	2,681,807	100.0%	1,015,593	100.0%
(Imported)	(1,161,923)	(43.3%)	(328,549)	(32.4%)