

Annual Trends of Food Grain Consumption in 2017

1. Food Grain Consumption of Households

(1) Per Capita Annual Food Grain Consumption

In the 2017 food grain year, per capita annual food grain consumption amounted to 70.9kg, which fell by 0.4% from 2016.

○ In the 2017 food grain year*, annual food grain consumption per capita amounted to 70.9kg, which dropped by 0.3kg ($\triangle 0.4\%$) from 2016.

* 2017 food grain year: From November 1st, 2016 to October 31st, 2017

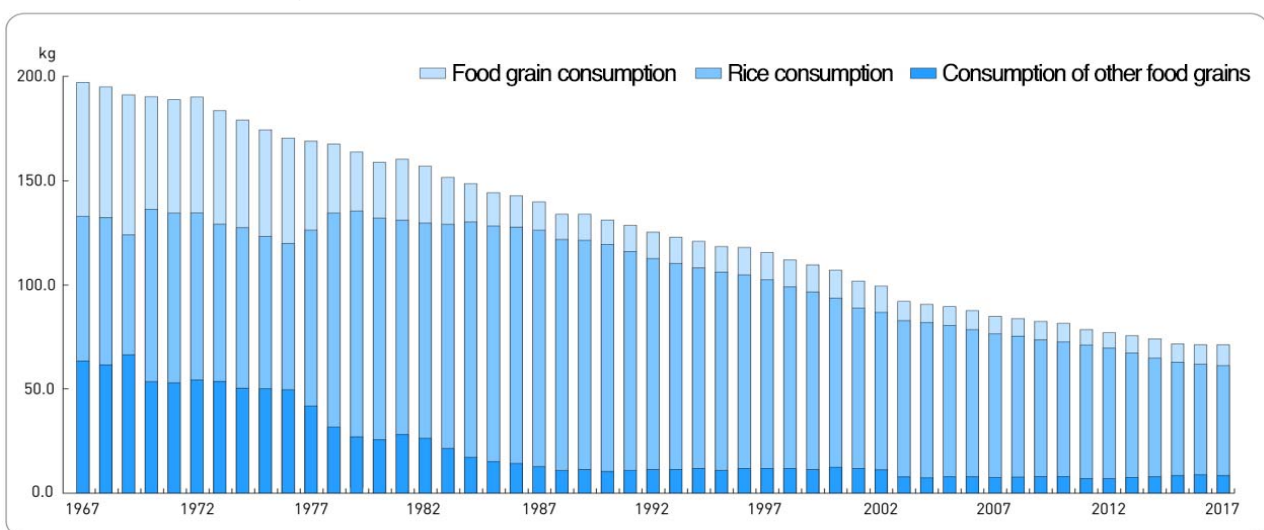
○ Per capita annual food grain consumption showed a continuously decreasing trend after 1981. Food grain consumption in 2017 recorded half of the rice consumption in 1986 (142.4kg).

[Table 1] Per Capita Annual Food Grain Consumption of Households by Year

(Unit: kg)

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Consumption	83.9	82.3	81.3	78.6	77.1	75.3	73.8	71.7	71.2	70.9
Change	-0.9	-1.6	-1.0	-2.7	-1.5	-1.8	-1.5	-2.1	-0.5	-0.3
Percent change	-1.1%	-1.9%	-1.2%	-3.3%	-1.9%	-2.3%	-2.0%	-2.8%	-0.7%	-0.4%

[Figure 1] Per Capita Annual Food Grain Consumption



(2) Per Capita Annual Rice Consumption

In the 2017 food grain year, per capita annual rice consumption amounted to 61.8kg, which declined by 0.2% from 2016.

- In the 2017 food grain year, rice consumption per capita amounted to 61.8kg, which dropped by 0.1kg ($\Delta 0.2\%$) from 2016.
- Rice consumption in 2017 recorded half of the rice consumption in 1988 (122.2kg).
- Daily average rice consumption per capita marked 169.3g in 2017, which declined by 0.3g ($\Delta 0.2\%$) from 2016.
- Daily rice consumption per capita by year

(Unit: g)

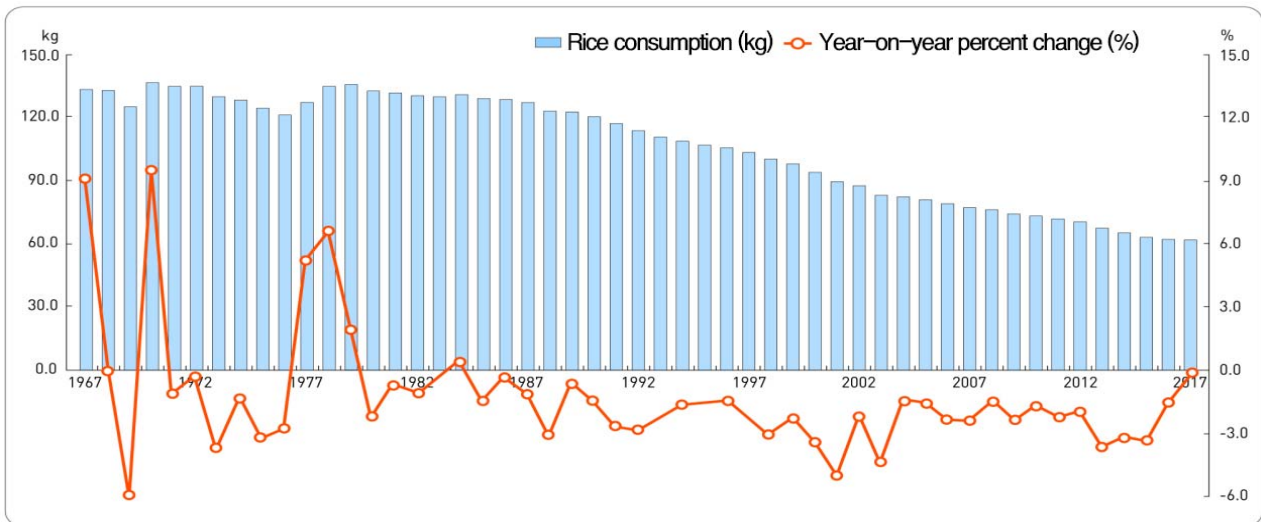
2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
207.7	202.9	199.6	195.0	191.3	184.0	178.2	172.4	169.6	169.3

[Table 2] Per Capita Annual Rice Consumption by Year

(Unit: kg)

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Consumption	75.8	74.0	72.8	71.2	69.8	67.2	65.1	62.9	61.9	61.8
Change	-1.1	-1.8	-1.2	-1.6	-1.4	-2.6	-2.1	-2.2	-1.0	-0.1
Percent change	-1.4%	-2.4%	-1.6%	-2.2%	-2.0%	-3.7%	-3.1%	-3.4%	-1.6%	-0.2%

[Figure 2] Per Capita Annual Rice Consumption



(3) Per Capita Annual Consumption of Other Food Grains

Per capita annual consumption of other food grains recorded 9.1kg in 2017, down 2.2% from 2016.

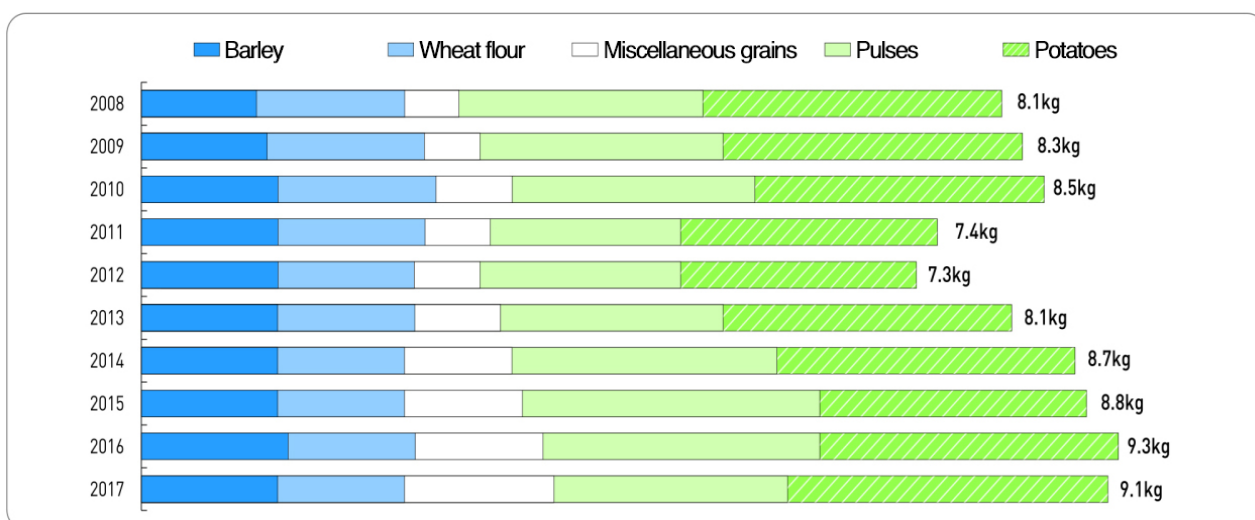
- Per capita annual consumption of other food grains* fell by 0.2kg (Δ 2.2%) to 9.1kg in 2017.
- * Including barley, wheat flour, miscellaneous grains (millet, sorghum, buckwheat, adlay, etc.), pulses (bean, red bean, peanut, etc.) and potatoes.
- The consumption of miscellaneous grains (1.4kg) and potatoes (3.0kg) marked a rise, while that of barley (1.3kg) and pulses (2.2kg) marked a drop.
- The consumption of other food grains occupied 12.8 percent of the total food grain consumption in 2017, down 0.3%p from 2016.

[Table 3] Per Capita Annual Food Grain Consumption by Year

(Unit: kg, %)

	Total		Rice consumption (Share of rice consumption)		Others (Share of other food grains)		Barley	Wheat flour	Miscellaneous grains	Pulses	Potatoes
2008	83.9	(100)	75.8	(90.3)	8.1	(9.7)	1.1	1.4	0.5	2.3	2.8
2009	82.3	(100)	74.0	(89.9)	8.3	(10.1)	1.2	1.5	0.5	2.3	2.8
2010	81.3	(100)	72.8	(89.5)	8.5	(10.5)	1.3	1.5	0.7	2.3	2.7
2011	78.6	(100)	71.2	(90.6)	7.4	(9.4)	1.3	1.4	0.6	1.8	2.4
2012	77.1	(100)	69.8	(90.5)	7.3	(9.5)	1.3	1.3	0.6	1.9	2.2
2013	75.3	(100)	67.2	(89.2)	8.1	(10.8)	1.3	1.3	0.8	2.1	2.7
2014	73.8	(100)	65.1	(88.2)	8.7	(11.8)	1.3	1.2	1.0	2.5	2.8
2015	71.7	(100)	62.9	(87.7)	8.8	(12.3)	1.3	1.2	1.1	2.8	2.5
2016	71.2	(100)	61.9	(86.9)	9.3	(13.1)	1.4	1.2	1.2	2.6	2.8
2017	70.9	(100)	61.8	(87.2)	9.1	(12.8)	1.3	1.2	1.4	2.2	3.0
Percent change	-0.4		-0.2		-2.2						

[Figure 3] Per Capita Annual Consumption of Other Food Grains



(4) Annual Food Grain Consumption by Use

Per capita annual food grain used for main food and side dishes amounted to 69.5kg, which accounted for 98.0 percent of the total food grain consumption per capita (70.9kg).

○ Food grain used for main food and side dishes occupied 98.0 percent of the total annual food grain consumption per capita.

- The share of others (soy sauce & soy bean paste, cakes & cookies, etc.) dropped from 4.9 percent in 1998 to 2.0 percent in 2017.

* Statistics Korea started covering the food grain consumption by use in 1998 when the works related to Food Grain Consumption Surveys were transferred to Statistics Korea from the Ministry of Agriculture, Food and Rural Affairs.

[Table 4] Annual Food Grain Consumption by Use

(Unit: kg, %)

	Total		Main food and side dishes (Share)		Others** (Share)	
	kg	(%)	kg	(%)	kg	(%)
1998	111.7	(100.0)	106.2	(95.1)	5.5	(4.9)
2008	83.9	(100.0)	81.4	(97.0)	2.5	(3.0)
2009	82.3	(100.0)	79.8	(97.0)	2.5	(3.0)
2010	81.3	(100.0)	78.7	(96.8)	2.6	(3.2)
2011	78.6	(100.0)	76.3	(97.1)	2.3	(2.9)
2012	77.1	(100.0)	75.0	(97.3)	2.1	(2.7)
2013	75.3	(100.0)	73.2	(97.2)	2.1	(2.8)
2014	73.8	(100.0)	71.7	(97.2)	2.1	(2.8)
2015	71.7	(100.0)	69.8	(97.4)	1.9	(2.6)
2016	71.2	(100.0)	69.5	(97.6)	1.7	(2.4)
2017	70.9	(100.0)	69.5	(98.0)	1.4	(2.0)

** Others: Soy sauce & soy bean paste, cakes & cookies, etc.

[Figure 4] Annual Food Grain Consumption by Use



(5) Food Grain Consumption by Household Type

Per capita annual food grain consumption of farm and non-farm households recorded 109.5kg and 68.7kg, respectively.

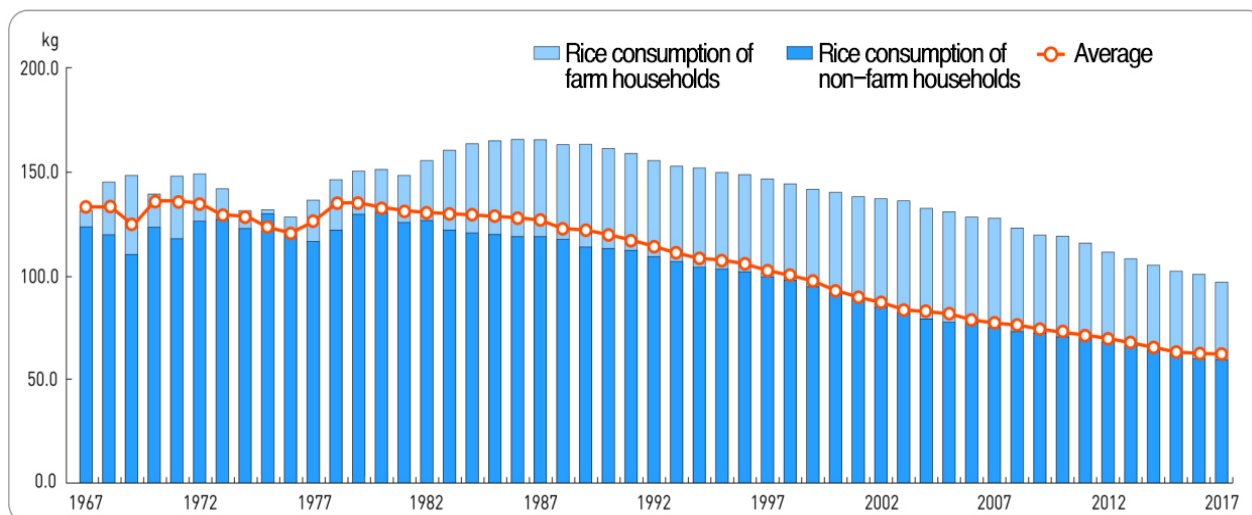
- Per capita annual food grain consumption of farm households decreased by 5.4 percent to 109.5kg in 2017. Per capita annual food grain consumption of non-farm households increased by 0.3 percent to 68.7kg in 2017.
- Per capita annual rice consumption of farm households fell by 3.9 percent to 96.6kg in 2017. Per capita annual rice consumption of non-farm households rose by 0.3 percent to 59.8kg in 2017.
- Per capita annual consumption of other food grains for farm households declined by 15.2 percent to 12.8kg in 2017. Per capita annual consumption of other food grains for non-farm households fell by 1.1 percent to 8.9kg in 2017.

[Table 5] Food Grain Consumption by Household Type

(Unit: kg, %)

	Food grain consumption of farm households				Food grain consumption of non-farm households			
	Rice (kg)	(Share) (%)	Others (kg)	(Share) (%)	Rice (kg)	(Share) (%)	Others (kg)	(Share) (%)
2008	134.9		12.4	(9.2)	80.3	72.4 (90.2)	7.9 (9.8)	
2009	135.0		16.0	(11.9)	78.6	70.9 (90.2)	7.7 (9.8)	
2010	133.4		14.9	(11.2)	77.8	69.8 (89.7)	8.0 (10.3)	
2011	127.4		12.1	(9.5)	75.4	68.3 (90.6)	7.1 (9.4)	
2012	123.3		12.1	(9.8)	74.0	67.0 (90.5)	7.0 (9.5)	
2013	118.5		10.6	(8.9)	71.9	63.9 (88.9)	8.0 (11.1)	
2014	121.3		16.7	(13.7)	70.0	61.9 (88.4)	8.1 (11.6)	
2015	118.5		16.4	(13.8)	68.3	60.0 (87.8)	8.3 (12.2)	
2016	115.7		15.1	(13.1)	68.5	59.6 (87.0)	9.0 (13.1)	
2017	109.5		12.8	(11.7)	68.7	59.8 (87.0)	8.9 (13.0)	
Percent change	-5.4		-15.2		0.3	0.3	-1.1	

[Figure 5] Rice Consumption by Household Type



2. Rice Consumption of Establishments

(1) Annual Rice Consumption of Establishments

Rice consumption of 'Manufacture of Food Products and Beverages' amounted to 707,703 tons in 2017, up 7.4 percent from 2016.

- Rice consumption in 'Manufacture of Food Products and Beverages' totaled 707,703 tons in 2017, which increased by 48,834 tons from 2016.
- Rice consumption in 'Distilling of Ethyl Alcohol' occupied the largest share at 30.5 percent of the total rice consumption. This share was followed by 'Manufacture of Rice Cakes' (23.9%), 'Manufacture of Lunch Boxes and Composite Food Preparation for Meals' (16.2%) and 'Manufacture of Rice Wines' (8.0%).

[Table 6] Rice Consumption of Major Industries

(Unit: ton, %)

	2015		2016		2017		
	Consumption	Share	Consumption	Share	Consumption	Share	Percent change
Total Rice Consumption of Establishments	575,460	100.0	658,869	100.0	707,703	100	7.4
Manufacture of Food Products (10)	369,626	64.2	378,428	57.4	428,829	60.6	13.3
Manufacture of Other Grain Mill Products (10619)	41,610	7.2	46,823	7.1	42,839	6.1	-8.5
Manufacture of Starches and Glucose or Maltose (10620)	12,956	2.2	12,294	1.9	12,243	1.7	-0.4
Manufacture of Rice Cakes (10711)	170,980	29.7	169,618	25.7	168,865	23.9	-0.4
Manufacture of Cocoa and Dry Bakery Products (10713)	7,194	1.3	9,033	1.4	9,042	1.3	0.1
Manufacture of Noodles, Macaroni and Similar Products (10730)	11,115	1.9	9,938	1.5	13,896	2.0	39.8
Manufacture of Soy Sauce and Soy Bean Paste (10743)	10,858	1.9	10,530	1.6	10,892	1.5	3.4
Manufacture of Lunch Boxes and Composite Food Preparation for Meals (10798)	96,411	16.8	100,247	15.2	114,341	16.2	14.1
Manufacture of Beverages (11)	205,834	35.8	280,441	42.6	278,874	39.4	-0.6
Manufacture of Rice Wines (11111)	46,403	8.1	51,592	7.8	56,872	8.0	10.2
Distilling of Ethyl Alcohol (11121)	155,754	27.1	222,356	33.7	215,803	30.5	-2.9

* In 2011, Statistics Korea started covering the rice consumption of establishments in the Food Grain Consumption Survey.

(2) Rice Consumption Trends of Establishments

Major Industries Recording an Increase in Rice Consumption

Rice consumption in 'Manufacture of Lunch Boxes and Composite Food Preparation for Meals' totaled 114,341 tons in 2017, which grew by 14,094 tons (14.1%) from 2016.

- Rice consumption in 'Manufacture of Noodles, Macaroni and Similar Products' showed the highest increase at 39.8 percent, which was followed by 'Manufacture of Lunch Boxes and Composite Food Preparation for Meals' (14.1%) and 'Manufacture of Rice Wines' (10.2%).

[Table 7] Major Industries Recording an Increase in Rice Consumption

(Unit: ton, %)

Major industries	2015	2016	2017	Increase	Percent change
Manufacture of Lunch Boxes and Composite Food Preparation for Meals (10798)	96,411	100,247	114,341	14,094	14.1
Manufacture of Rice Wines (11111)	46,403	51,592	56,872	5,280	10.2
Manufacture of Noodles, Macaroni and Similar Products (10730)	11,115	9,938	13,896	3,958	39.8
Manufacture of Soy Sauce and Soy Bean Paste (10743)	10,858	10,530	10,892	362	3.4
Manufacture of Cocoa and Dry Bakery Products (10713)	7,194	9,033	9,042	9	0.1

Major Industries Recording a Decrease in Rice Consumption

Rice consumption in 'Distilling of Ethyl Alcohol' totaled 215,803 tons in 2017, which fell by 6,553 tons (-2.9%) from 2016.

- Rice consumption in 'Manufacture of Other Grain Mill Products' showed the highest decrease (-8.5%), which was followed by 'Distilling of Ethyl Alcohol' (-2.9%), 'Manufacture of Rice Cakes' (-0.4%) and 'Manufacture of Starches and Glucose or Maltose' (-0.4%).

[Table 8] Major Industries Recording a Decrease in Rice Consumption

(Unit: ton, %)

Major industries	2015	2016	2017	Decrease	Percent change
Distilling of Ethyl Alcohol (11121)	155,754	222,356	215,803	-6,553	△2.9
Manufacture of Other Grain Mill Products (10619)	41,610	46,823	42,839	-3,984	△8.5
Manufacture of Rice Cakes (10711)	170,980	169,618	168,865	-753	△0.4
Manufacture of Starches and Glucose or Maltose (10620)	12,956	12,294	12,243	-51	△0.4