



# Annual Trends of Food Grain Consumption in 2018

## 1. Food Grain Consumption of Households

### (1) Per Capita Annual Food Grain Consumption

**In the 2018 food grain year, per capita annual food grain consumption amounted to 69.5kg, which fell by 2.0% from 2017.**

- In the 2018 food grain year\*, annual food grain consumption per capita amounted to 69.5kg, which dropped by 2.0% (1.4kg) from 2017.

\* 2018 food grain year: From November 1st, 2017 to October 31st, 2018

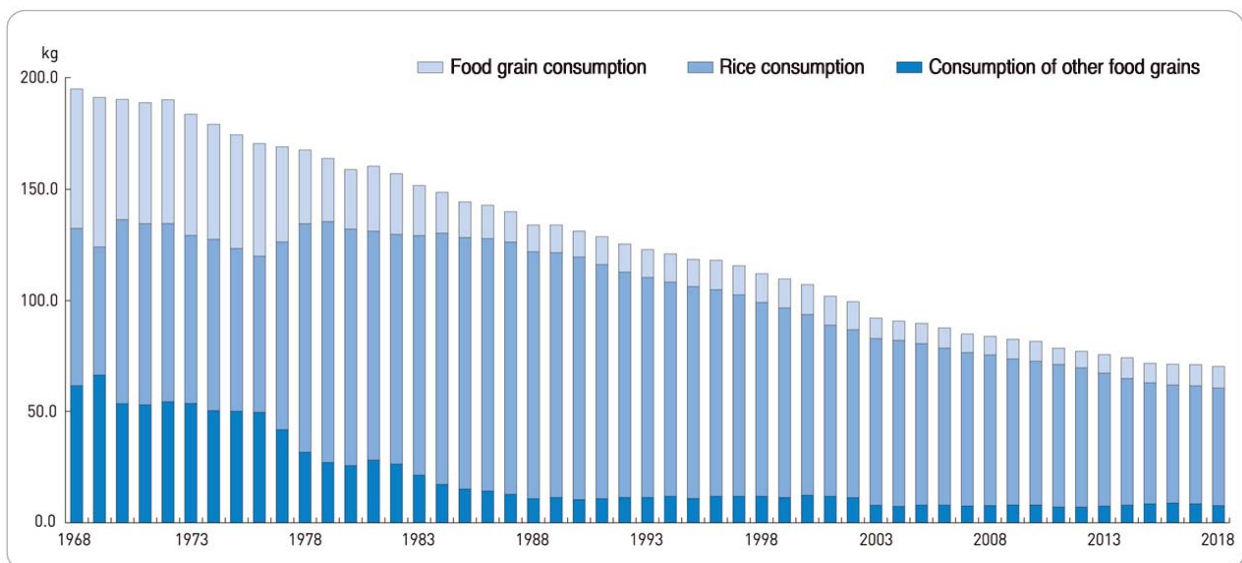
- Per capita annual food grain consumption showed a continuously decreasing trend after 1981. Food grain consumption in 2018 recorded half of the rice consumption in 1988 (133.4kg).

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

(Unit: kg)

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Consumption	82.3	81.3	78.6	77.1	75.3	73.8	71.7	71.2	70.9	69.5
Change	-1.6	-1.0	-2.7	-1.5	-1.8	-1.5	-2.1	-0.5	-0.3	-1.4
Percent change	-1.9%	-1.2%	-3.3%	-1.9%	-2.3%	-2.0%	-2.8%	-0.7%	-0.4%	-2.0%

[ Figure 1 ] Per Capita Annual Food Grain Consumption



## (2) Per Capita Annual Rice Consumption

**In the 2018 food grain year, per capita annual rice consumption amounted to 61.0kg, which declined by 1.3% from 2017.**

- In the 2018 food grain year, rice consumption per capita amounted to 61.0kg, which dropped by 1.3% (0.8kg) from 2017.
  - Rice consumption in 2018 recorded half of the rice consumption in 1988 (122.2kg).
- Daily average rice consumption per capita marked 167.3g in 2018, which declined by 1.2% (2.0g) from 2017.
  - Daily rice consumption per capita by year

(Unit: g)

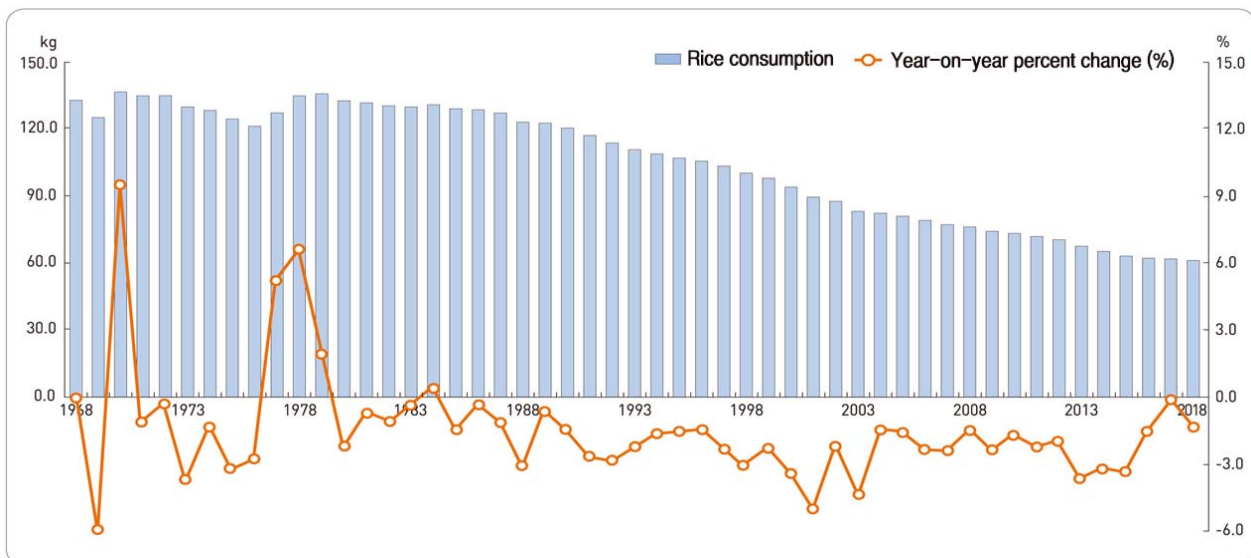
<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>
202.9	199.6	195.0	191.3	184.0	178.2	172.4	169.6	169.3	167.3

[ Table 2 ] Per Capita Annual Rice Consumption by Year

(Unit: kg)

	2009	2010	2011	2012	2013	2014	2015	2016	2017	<b>2018</b>
Consumption	74.0	72.8	71.2	69.8	67.2	65.1	62.9	61.9	61.8	<b>61.0</b>
Change	-1.8	-1.2	-1.6	-1.4	-2.6	-2.1	-2.2	-1.0	-0.1	<b>-0.8</b>
Percent change	-2.4%	-1.6%	-2.2%	-2.0%	-3.7%	-3.1%	-3.4%	-1.6%	-0.2%	<b>-1.3%</b>

[ 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 8.4kg in 2018, down 7.7% from 2017.**

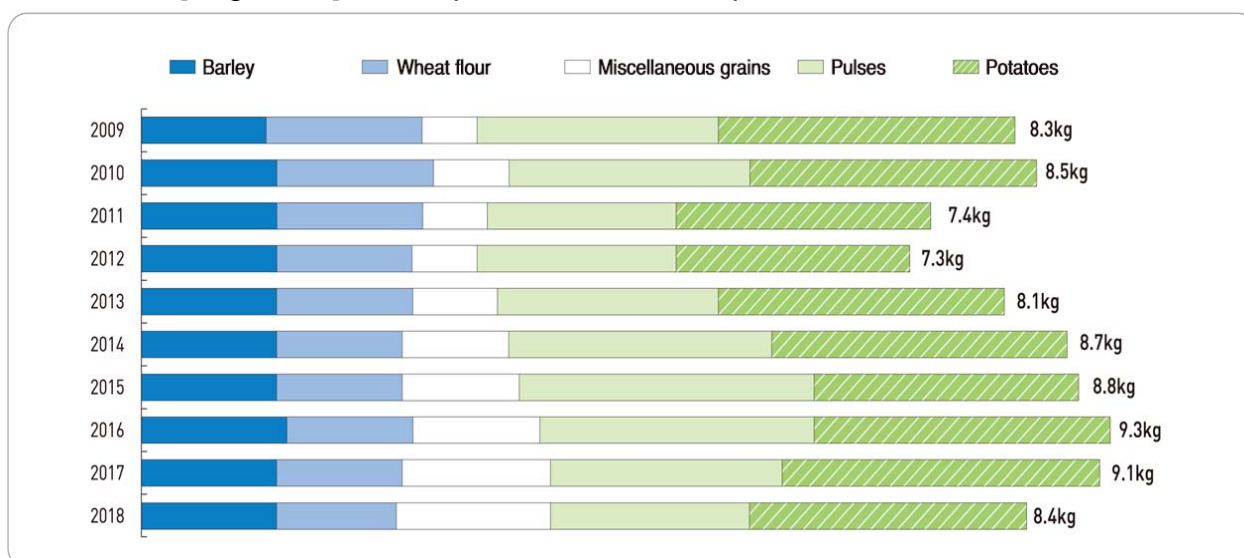
- Per capita annual consumption of other food grains\* fell by 7.7% (0.7kg) to 8.4kg in 2018.
- \* Including barley, wheat flour, miscellaneous grains (millet, sorghum, buckwheat, adlay, etc.), pulses (bean, red bean, peanut, etc.) and potatoes.
- Compared to 2017, the consumption of miscellaneous grains rose by 1.5kg. Whereas, the consumption of potatoes, pulses and wheat flour fell by 2.6kg, 1.9kg and 1.1kg, respectively.
- The consumption of other food grains occupied 12.1% of the total food grain consumption in 2018, down 0.7%p from 2017.

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

(Unit: kg, %)

	Total	Rice consumption		Others						
		(Share of rice consumption)	(Share of other food grains)	Barley	Wheat flour	Miscellaneous grains	Pulses	Potatoes		
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		
2018	69.5 (100)	61.0 (87.9)	8.4 (12.1)	1.3	1.1	1.5	1.9	2.6		
Percent change	-2.0	-1.3	-7.7							

[ 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 68.4kg, which accounted for 98.5% of the total food grain consumption per capita (69.5kg).**

○ Food grain used for main food and side dishes occupied 98.5% 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% in 1998 to 1.5% in 2018.

\* 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.

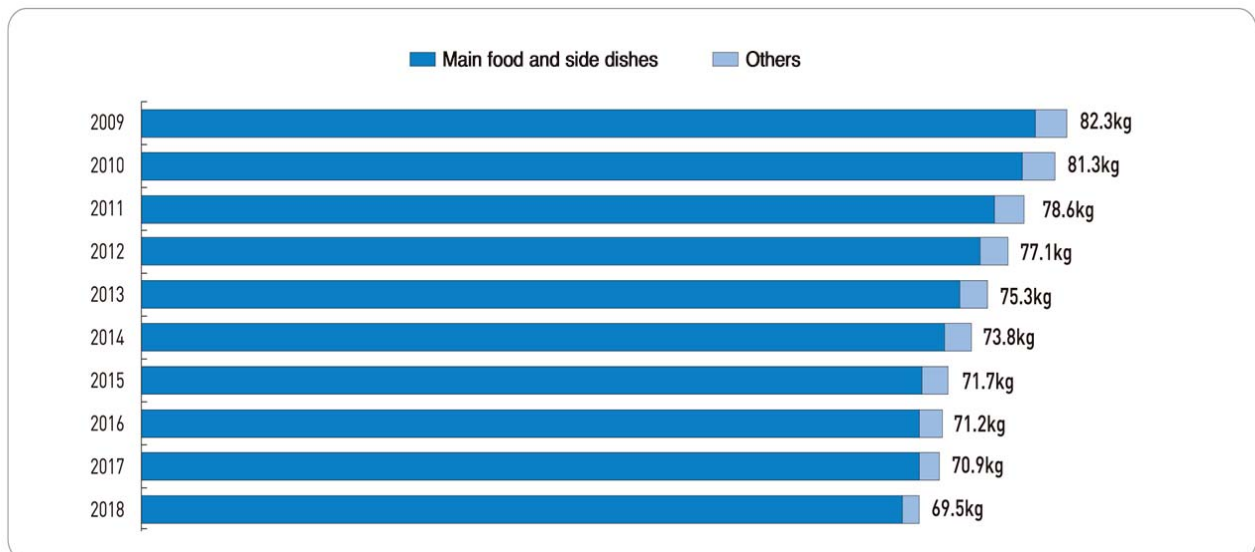
[ Table 4 ] Annual Food Grain Consumption by Use

(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)
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)
2018	69.5	(100.0)	68.4	(98.5)	1.1	(1.5)

\*\* 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 105.5kg and 67.5kg, respectively.**

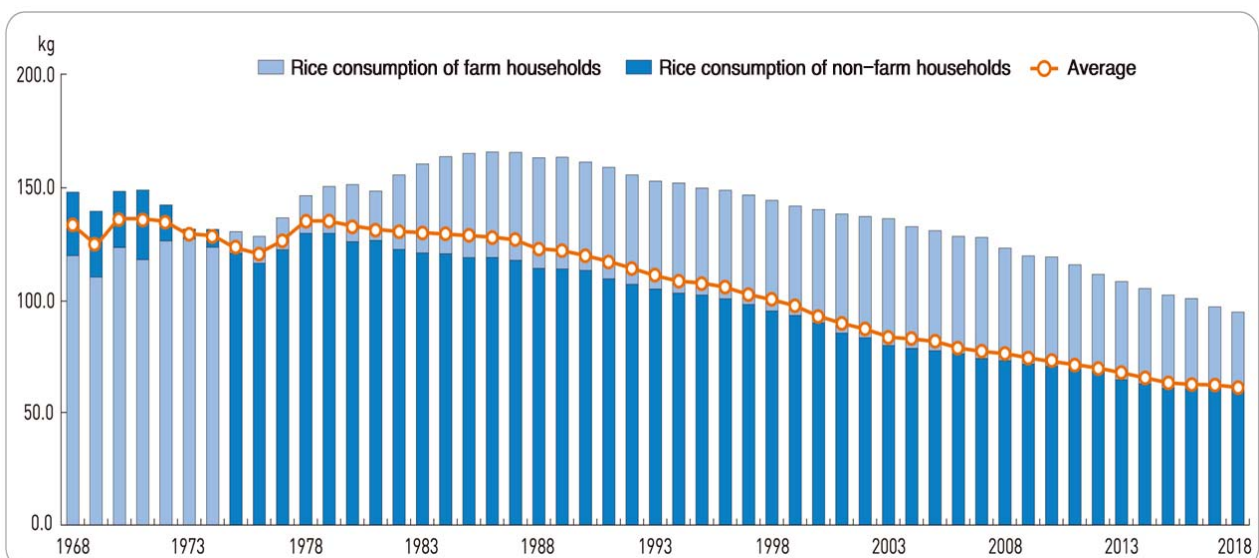
- Per capita annual food grain consumption of farm households decreased by 3.7% to 105.5kg in 2018. Per capita annual food grain consumption of non-farm households decreased by 1.7% to 67.5kg in 2018.
- Per capita annual rice consumption of farm households fell by 2.1% to 94.6kg in 2018. Per capita annual rice consumption of non-farm households dropped by 1.0% to 59.2kg in 2018.
- Per capita annual consumption of other food grains for farm households declined by 14.8% to 10.9kg in 2018. Per capita annual consumption of other food grains for non-farm households fell by 6.7% to 8.3kg in 2018.

[ Table 5 ] Food Grain Consumption by Household Type

(Unit: kg, %)

	Food grain consumption of farm households				Food grain consumption of non-farm households			
		Rice (Share)	Others (Share)		Rice (Share)	Others (Share)		
2009	135.0	119.0 (88.1)	16.0 (11.9)	78.6	70.9 (90.2)	7.7 (9.8)		
2010	133.4	118.5 (88.8)	14.9 (11.2)	77.8	69.8 (89.7)	8.0 (10.3)		
2011	127.4	115.3 (90.5)	12.1 (9.5)	75.4	68.3 (90.6)	7.1 (9.4)		
2012	123.3	111.2 (90.2)	12.1 (9.8)	74.0	67.0 (90.5)	7.0 (9.5)		
2013	118.5	107.9 (91.1)	10.6 (8.9)	71.9	63.9 (88.9)	8.0 (11.1)		
2014	121.3	104.7 (86.3)	16.7 (13.7)	70.0	61.9 (88.4)	8.1 (11.6)		
2015	118.5	102.1 (86.2)	16.4 (13.8)	68.3	60.0 (87.8)	8.3 (12.2)		
2016	115.7	100.5 (86.9)	15.1 (13.1)	68.5	59.6 (87.0)	9.0 (13.1)		
2017	109.5	96.6 (88.3)	12.8 (11.7)	68.7	59.8 (87.0)	8.9 (13.0)		
2018	105.5	94.6 (89.6)	10.9 (10.4)	67.5	59.2 (87.7)	8.3 (12.3)		
Percent change	-3.7	-2.1	-14.8	-1.7	-1.0	-6.7		

[ 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 755,664 tons in 2018, up 6.8% from 2017.**

- Rice consumption in 'Manufacture of Food Products and Beverages' totaled 755,664 tons in 2018, which increased by 47,961 tons from 2017.
- Rice consumption in 'Distilling of Ethyl Alcohol' occupied the largest share at 24.8% of the total rice consumption. This share was followed by 'Manufacture of Rice Cakes' (22.8%), 'Manufacture of Lunch Boxes and Composite Food Preparation for Meals' (19.5%) and 'Manufacture of Rice Wines' (8.0%).

[ Table 6 ] Rice Consumption of Major Industries

(Unit: ton, %)

	2016		2017		2018		
	Consumption	Share	Consumption	Share	Consumption	Share	Percent change
<b>Total Rice Consumption of Establishments</b>	<b>658,869</b>	<b>100.0</b>	<b>707,703</b>	<b>100.0</b>	<b>755,664</b>	<b>100.0</b>	<b>6.8</b>
Manufacture of Food Products(10)	378,428	57.4	428,829	60.6	<b>500,843</b>	66.3	16.8
Manufacture of Other Grain Mill Products (10619)	46,823	7.1	42,839	6.1	<b>45,105</b>	6.0	5.3
Manufacture of Starches and Glucose or Maltose (10620)	12,294	1.9	12,243	1.7	<b>13,164</b>	1.7	7.5
Manufacture of Rice Cakes(10711)	169,618	25.7	168,865	23.9	<b>172,317</b>	22.8	2.0
Manufacture of Cocoa and Dry Bakery Products (10713)	9,033	1.4	9,042	1.3	<b>8,866</b>	1.2	-1.9
Manufacture of Noodles, Macaroni and Similar Products (10730)	9,938	1.5	13,896	2.0	<b>18,434</b>	2.4	32.7
Manufacture of Soy Sauce and Soy Bean Paste (10743)	10,530	1.6	10,892	1.5	<b>12,029</b>	1.6	10.4
Manufacture of Lunch Boxes and Composite Food Preparation for Meals (10798)	100,247	15.2	114,341	16.2	<b>147,474</b>	19.5	29.0
Manufacture of Beverages (11)	280,441	42.6	278,874	39.4	<b>254,821</b>	33.7	-8.6
Manufacture of Rice Wines (11111)	51,592	7.8	56,872	8.0	<b>60,785</b>	8.0	6.9
Distilling of Ethyl Alcohol (11121)	222,356	33.7	215,803	30.5	<b>187,562</b>	24.8	-13.1

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

## (2) Rice Consumption Trends of Establishments

### Industries Recording an Increase in Rice Consumption

**Rice consumption in 'Manufacture of Lunch Boxes and Composite Food Preparation for Meals' totaled 147,474 tons in 2018, which grew by 29.0% (33,133 tons) from 2017.**

- Rice consumption in 'Manufacture of Noodles, Macaroni and Similar Products' showed the highest increase at 32.7%, which was followed by 'Manufacture of Lunch Boxes and Composite Food Preparation for Meals' (29.0%) and 'Manufacture of Soy Sauce and Soy Bean Paste' (10.4%).

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

(Unit: ton, %)

Major industries	2016	2017	2018	Increase	
				Increase	Percent change
Manufacture of Noodles, Macaroni and Similar Products (10730)	9,938	13,896	<b>18,434</b>	4,538	32.7
Composite Food Preparation for Meals (10798)	100,247	114,341	<b>147,474</b>	33,133	29.0
Manufacture of Soy Sauce and Soy Bean Paste (10743)	10,530	10,892	<b>12,029</b>	1,137	10.4
Manufacture of Starches and Glucose or Maltose (10620)	12,294	12,243	<b>13,164</b>	921	7.5
Manufacture of Rice Wines (11111)	51,592	56,872	<b>60,785</b>	3,913	6.9
Manufacture of Other Grain Mill Products (10619)	46,823	42,839	<b>45,105</b>	2,266	5.3
Manufacture of Rice Cakes (10711)	169,618	168,865	<b>172,317</b>	3,452	2.0

### Industries Recording a Decrease in Rice Consumption

**Rice consumption in 'Distilling of Ethyl Alcohol' totaled 187,562 tons in 2018, which fell by 13.1% (28,241 tons) from 2017.**

- Rice consumption in 'Distilling of Ethyl Alcohol' and 'Manufacture of Cocoa and Dry Bakery Products' dropped by 13.1% and 1.9%, respectively.

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

(Unit: ton, %)

Major industries	2016	2017	2018	Decrease	
				Decrease	Percent change
Distilling of Ethyl Alcohol (11121)	222,356	215,803	<b>187,562</b>	-28,241	△13.1
Manufacture of Cocoa and Dry Bakery Products (10713)	9,033	9,042	<b>8,866</b>	-176	△1.9