



Estimated Rice Production in 2021

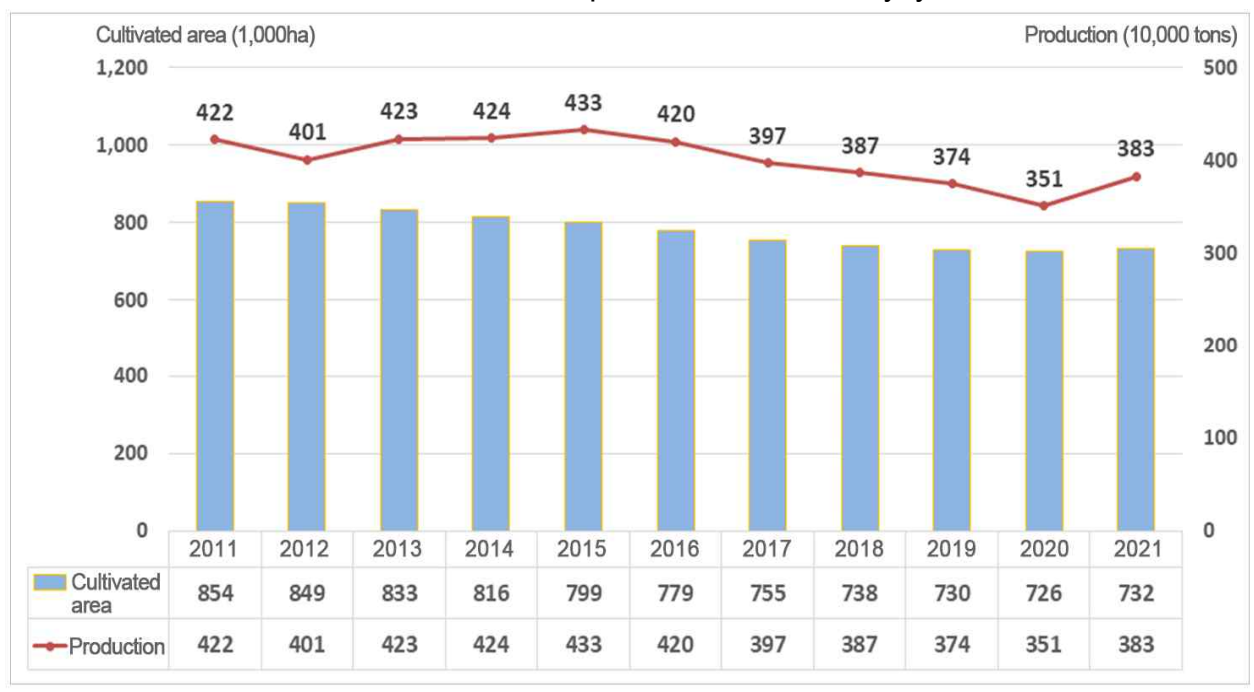
□ The rice production is estimated to record 3.827 million tons in 2021, rising by 9.1% from 2020.

- Cultivated area: 726,432ha in 2020 → 732,477ha in 2021 (0.8%)
- Rice production per 10a (the ratio of brown rice to white rice at 92.9%): 483kg in 2020 → 522kg in 2021 (8.2%)
- * Rice production per 10a when applying the ratio of brown rice to white rice at 90.4%: 470kg in 2020 → 508kg in 2021

Compared to the previous year, the rice production per 10a is estimated to record an increase owing to proper sunshine hours and precipitation in July and August.

- Estimated rice production (the ratio of brown rice to white rice at 92.9%): 3.507 million tons in 2020 → 3.827 million tons in 2021 (9.1%)
- * Estimated rice production when applying the ratio of brown rice to white rice at 90.4%: 3.412 million tons in 2020 → 3.724 million tons in 2021

< Cultivated area and production of rice by year >



1. Estimated Rice Production of the Nation

□ The rice production is estimated to record 3.827 million tons in 2021, rising by 9.1% from 3.507 million tons in 2020.

○ Total rice production (the ratio of brown rice to white rice at 92.9%): 3.507 million tons in 2020 → 3.827 million tons in 2021 (9.1%↑)

* Estimated rice production when applying the ratio of brown rice to white rice at 90.4%: 3.412 million tons in 2020 → 3.724 million tons in 2021

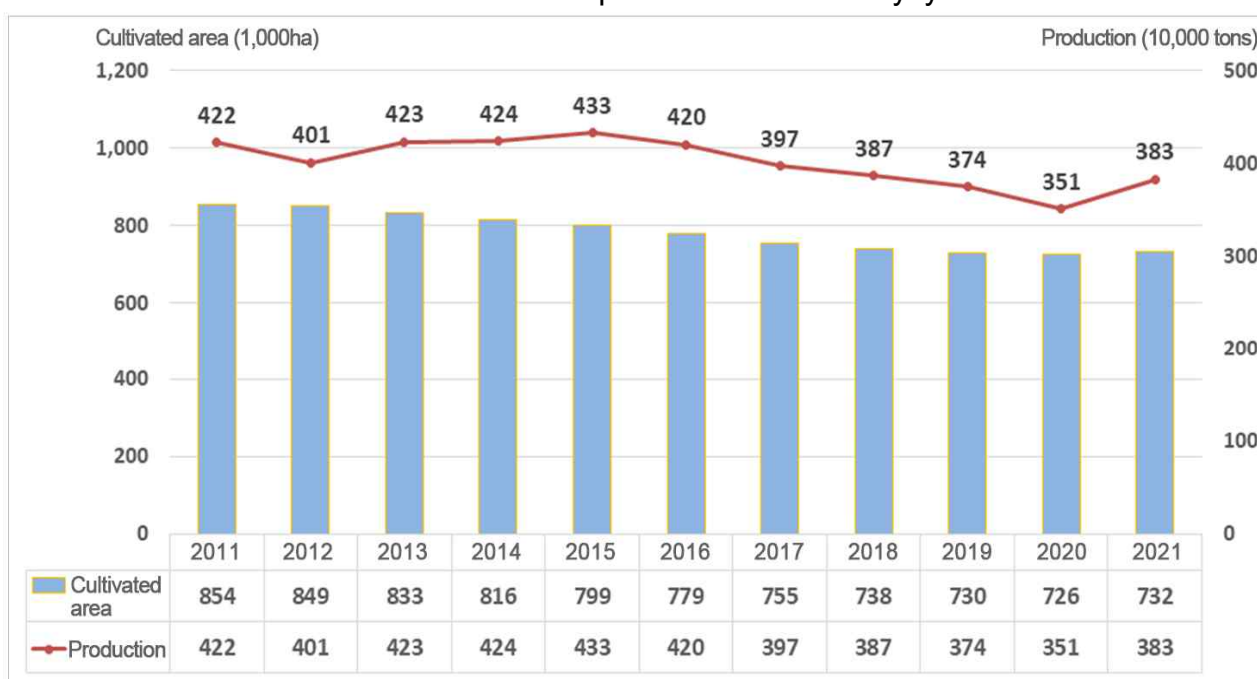
○ The total rice production is estimated to rise by 320 thousand tons (9.1%) from the previous year due to the increase in the cultivated area (0.8%) and the rice production per 10a (8.2%).

< Cultivated area and production of rice by year >

	2015	2016	2017	2018	2019	2020	2021	Year-on-year (%)
Cultivated area (1,000 hectares)	799	779	755	738	730	726	732	0.8
Production per 10a (kg)	542	539	527	524	513	483	522	8.2
Total production (10,000 tons)	433	420	397	387	374	351	383	9.1

* Based on the ratio of brown rice to white rice at 92.9% and paddy rice production per 10a

< Cultivated area and production of rice by year >



□ The cultivated area of rice totaled 732,477ha in 2021, which increased by 0.8% from 726,432ha in 2020.

- The cultivated area of rice recorded an increase owing to the upward trend in rice prices and the completion of the government project to encourage farmers to cultivate other crops.

□ **The rice production per 10a is estimated to record 522kg in 2021, growing by 8.2% from 483kg in 2020.**

- Rice production per 10a: 483kg in 2020 → 522kg in 2021 (8.2%↑)

* Rice production per 10a when applying the ratio of brown rice to white rice at 90.4%: 470kg in 2020 → 508kg in 2021

- The number of ears per m² recorded a rise owing to proper temperature and precipitation between the first ten days of June and the first ten days of July.

- Number of ears per m²: 21.5 ears in 2020 → 22.5 ears in 2021 (1.0 ear↑)

* Weather from the first ten days of June to the first ten days of July (Korea Meteorological Administration)

- Average temperature: 21.8°C in 2019 → 22.8°C in 2020 → 22.5°C in 2021 (1.3%↓)
- Sunshine hours: 304.3 hours in 2019 → 275.8 hours in 2020 → 245.8 hours in 2021 (10.9%↓)
- Precipitation (mm): 162.8mm in 2019 → 229.6mm in 2020 → 293.3mm in 2021 (27.7%↑)

- The number of whole grains showed an increase owing to a rise in sunshine hours and the average temperature between the first ten days of July and the first ten days of August.

- Number of whole grains per m²: 28,344 whole grains in 2020 → 30,725 whole grains in 2021 (2,381 whole grains↑)

* Weather from the first ten days of July to the first ten days of August (Korea Meteorological Administration)

- Average temperature: 25.7°C in 2019 → 23.4°C in 2020 → 26.4°C in 2021 (12.8%↑)
- Sunshine hours: 258.8 hours in 2019 → 134.5 hours in 2020 → 295.2 hours in 2021(119.5%↑)
- Precipitation (mm): 252.5mm in 2019 → 698.6mm in 2020 → 297.7mm in 2021 (57.4%↓)

2. Estimated Rice Production by Province

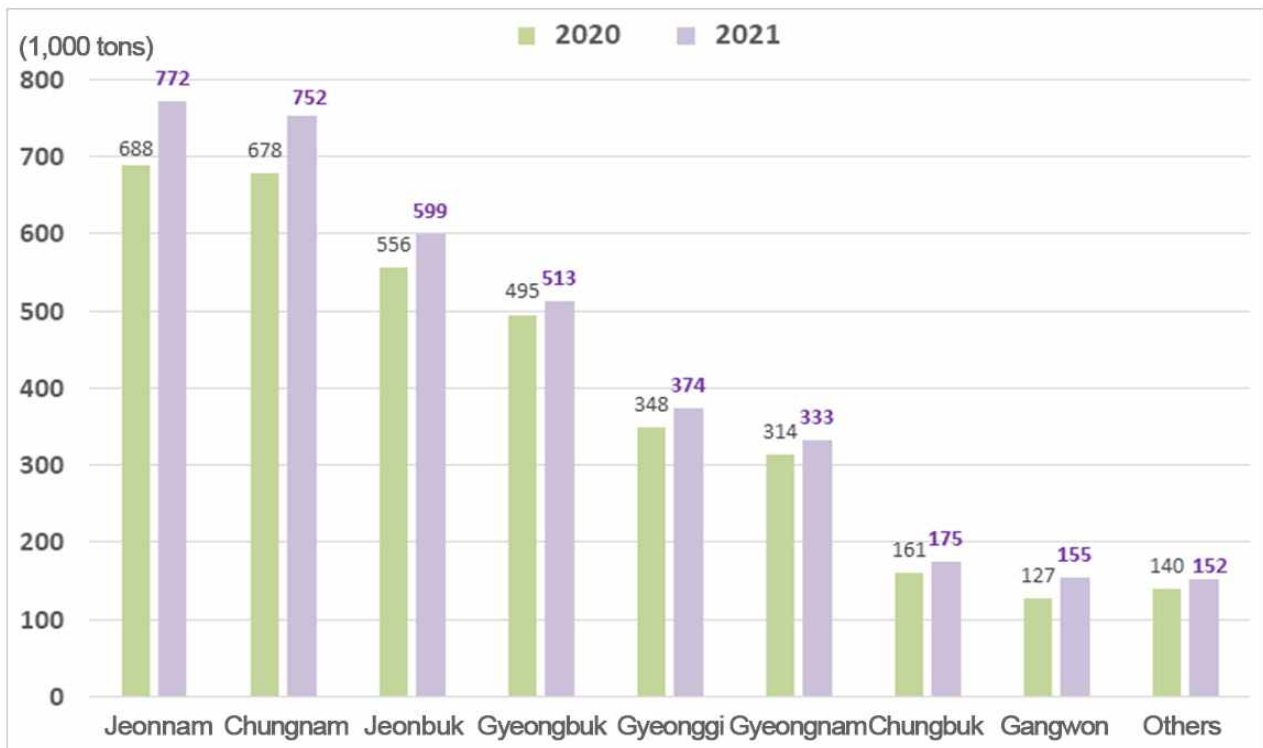
- As for rice production by province, Jeonnam recorded the highest figure at 772 thousand tons, which was followed by Chungnam (752 thousand tons) and Jeonbuk (599 thousand tons).

< Rice production and cultivated area by province >

Provinces	Cultivated area (1,000ha)			Rice production per 10a (kg)			Total production (1,000 tons)		
	2020	2021	Percent change	2020	2021	Percent change	2020	2021	Percent change
The nation	726	732	0.8	483	522	8.2	3,507	3,827	9.1
Gyeonggi	75	75	-0.5	464	501	8.1	348	374	7.5
Gangwon	28	29	1.8	448	535	19.2	127	155	21.3
Chungbuk	33	33	2.0	491	525	7.0	161	175	9.2
Chungnam	131	135	3.1	516	555	7.6	678	752	11.0
Jeonbuk	111	115	3.3	501	523	4.4	556	599	7.8
Jeonnam	156	155	-0.5	441	497	12.9	688	772	12.3
Gyeongbuk	97	96	-1.5	509	536	5.2	495	513	3.7
Gyeongnam	65	64	-1.5	483	520	7.5	314	333	6.0
Others	29	30	2.4	474	505	6.3	140	152	8.9

* Based on the ratio of brown rice to white rice at 92.9% and rice production per 10a

< Rice production by province >



* Others: Metropolitan cities, Sejong Special Self-governing City, Jeju Special Self-governing Province