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**Global rice prices spike during COVID pandemic, remain high despite ample supply**

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**Fast facts**

* COVID-19 pandemic created spike in rice prices in 2020 second quarter
* Despite ample supply, rice prices remain higher than expected
* Global rice production expected to surpass consumption for most of coming decade
* Latest International Rice Outlook available online: <https://bit.ly/AAES-RiceOutlook>

(847 words)

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FAYETTEVILLE, Ark. — The COVID-19 pandemic created a spike in global rice prices in the second quarter of 2020, according to a new University of Arkansas System Division of Agriculture report. Since then, rice prices have remained higher than expected despite ample rice stocks and a record 2020 global rice production.

“Most commodity prices went down during the pandemic because of lower demand,” said Alvaro Durand-Morat, assistant professor of agricultural economics and agribusiness for the Arkansas Agricultural Experiment Station, the Division of Agriculture’s research arm. “But rice went the other way.”

Durand-Morat is co-author with research post-doctoral associate Subir Bairagi of International Rice Outlook: International Rice Baseline Projections 2020-2030. This is the full report available from the Agricultural Experiment Station online: <https://bit.ly/AAES-RiceOutlook>

“The importance of our report is the international view of the rice markets. It is one of the few international outlooks out there,” Durand-Morat said. “It’s essential from a policy standpoint for farm bills and trade negotiations for a crop like rice where half of it is exported. What happens with our trading partners affects us directly.”

Arkansas is the nation’s leading rice growing state, producing more than 40 percent of the U.S. rice crop, bringing in around $1 billion per year in cash farm receipts, according to the 2020 Arkansas Agriculture Profile, published by the Division of Agriculture and available for download: https://bit.ly/AAES-AgProfile2020. Arkansas is also the nation’s leading rice exporter, accounting for about half of all rice from the U.S., Durand-Morat said.

**Ratchet up**

Because of pandemic concerns in some leading rice exporting countries, rice prices surged when other commodities declined, Durand-Morat said.

“Large exporting countries like Vietnam, India and Myanmar reduced exports to see how they would fare during the pandemic,” Durand-Morat said. “They wanted to secure the domestic supply. Vietnam actually banned exports for a couple of months.”

By August 2020, Durand-Morat said, prices of all commodities began to go up. “Some went up really high.

“Rice prices are still high, though lower than the peak months of the COVID-19 lockdowns,” he said. “But they are still higher than pre-COVID. This is despite global rice supplies being high.”

**10-year outlook**

“We project global rice production will surpass global rice consumption for most of the coming decade, with a small deficit developing by the end of the projected period,” Durand-Morat said.

Durand-Morat expects rice production to grow despite a decline in rice acres by 2028-2030. The production gains will be exclusively because of improvements in yields. Global rice consumption will also rise based only on population growth while per-capita consumption of rice stagnates.

“The international prices of long-grain and medium-grain rice is projected to increase nominally,” Durand-Morat said. “But they will decrease in real terms — because of inflation and ample rice supplies.”

The world rice production and consumption map is likely to change over the next decade, Durand-Morat said.

“At the country level, rice production is projected to decrease in China, South Korea and Brazil, and grow the most in Tanzania, Madagascar, Egypt and Nigeria,” Durand-Morat said.

“Total rice consumption is projected to decline in Japan, South Korea and Brazil,” he said. “It will increase strongly in Iran, Madagascar and Nigeria. These increases will support fast growth in regional production and imports.”

This change has been going on for decades, Durand-Morat said. “The populations are stable or decreasing in Japan and South Korea. And people are making other food choices. In Brazil, despite population increases, people are also making other food choices, mostly because the population increases are concentrated in the central and northern regions where rice is not a big staple.”

Rice consumption is going up in Africa, Durand-Morat said, because of a combination of population growth outpacing production and investment in research and development by USAID, Japan and other countries.

“They discovered rice, and they love it,” Durand-Morat said. “When people move to the city, they eat more rice because it’s easier to prepare than a native staple like casava.”

**Global trade**

“These differential changes in production and consumption across countries will push global rice trade to new records,” Durand-Morat said.

Rice exports will continue to be concentrated among the top five largest exporters, he said. “India will continue to be a leader in exports. Thailand is projected to secure its place as the second-largest exporter of rice.”

Durand-Morat said the global rice market is subject to many factors that could alter projections.

“The key factors to watch will be China’s rice stock management, India’s yield and overall production trend, and the price gap between Asian and American long-grain rice,” Durand-Morat said.

Durand-Morat said rice growers’ check-off dollars, administered by the Arkansas Rice Research and Promotion Board, support the Division of Agriculture’s rice baseline reports. “We get great support from the Rice Board,” he said.

The publication is researched and developed in collaboration with FAPRI, the Food and Agriculture Policy Research Institute based at the University of Missouri.

“FAPRI uses U.S. rice numbers that come from us to build their U.S. models,” Durand-Morat said. “What we do is couple our model with the FAPRI models to develop projections for international markets.”

To learn more about Division of Agriculture research, visit the Arkansas Agricultural Experiment Station website: [https://aaes.uada.edu/](https://nam11.safelinks.protection.outlook.com/?url=https%3A%2F%2Faaes.uada.edu%2F&data=04%7C01%7Cfmiller%40uark.edu%7C5cd2aea2b12c4dfceb9c08d942da0e9d%7C79c742c4e61c4fa5be89a3cb566a80d1%7C0%7C0%7C637614326581623988%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C1000&sdata=aepGh27NgEgSYv9mb8nggzA%2BaUdOhXMw7e6sspVov8c%3D&reserved=0). Follow us on Twitter at [@ArkAgResearch](https://nam11.safelinks.protection.outlook.com/?url=https%3A%2F%2Ftwitter.com%2FArkAgResearch&data=04%7C01%7Cfmiller%40uark.edu%7C5cd2aea2b12c4dfceb9c08d942da0e9d%7C79c742c4e61c4fa5be89a3cb566a80d1%7C0%7C0%7C637614326581633943%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C1000&sdata=nH1djoLMIYNT7ERwtQMektp5RVjEjY1B93nJK%2BhyjJE%3D&reserved=0).

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**About the Division of Agriculture**

The University of Arkansas System Division of Agriculture’s mission is to strengthen agriculture, communities, and families by connecting trusted research to the adoption of best practices. Through the Agricultural Experiment Station and the Cooperative Extension Service, the Division of Agriculture conducts research and extension work within the nation’s historic land grant education system.

The Division of Agriculture is one of 20 entities within the University of Arkansas System. It has offices in all 75 counties in Arkansas and faculty on five system campuses.

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