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The livestock, poultry, dairy and consumer price projections for the U.S. were prepared by the MU Agricultural Markets and Policy (AMAP) team, including Scott Brown (brownsc@missouri.edu) and Daniel Madison (madisondc@missouri.edu).

U.S. grains and oilseeds projections were generated by the team at FAPRI-MU. International grain and oilseed projections were prepared with the help of Malieka Bordigioni (maliekal@unr.edu) at the University of Nevada, Reno.

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Glossary

Notation	Description
AAFC	Agriculture and Agri-food Canada
ALIC	Agriculture and Livestock Industries Corporation
ASF	African swine fever
FAO	Food and Agricultural Organization
FMD	Foot and mouth disease
GAIN	Global Agriculture Information Network
GIEWS	Global Information and Early Warning System
GDP	Gross domestic product
OECD	Organization for Economic Co-operation and Development
PSD	Production, Supply and Disposition
USDA	United States Department of Agriculture
YOY	Year-over-year

Summary

The last year was not only marked by the deadly COVID-19 pandemic, but also the most devastating animal disease to date, African swine fever (ASF). The former led to many disruptions in the global meat market, such as lockdowns, meat packing plant closures, supply shortages and both delays and bans in global shipments. The latter led to increased imports of pork by China and new export opportunities for some countries and bans for others as the disease continued to spread across South East Asia and Europe.

These projections were prepared as part of FAPRI's 2021 outlook for agricultural markets, and are based on information available in January 2021. Projections for the U.S. crop and livestock sectors are summarized in FAPRI Report #01-21, and a companion report from colleagues at the University of Nevada, Reno summarizes the outlook for international grain and oilseed markets (both can be accessed at https://www.fapri.missouri.edu/publication/2021-us-agricultural-market-outlook/). The baseline assumes a continuation of government policies in place in January 2021, and a recovery in the global economy as forecast by IHS Markit.

U.S. pork exports to China reached a record $2.1 billion in 2020 as China increased its imports from the U.S. and other exporters. China also increased its imports of U.S. soybeans and corn in 2020 to supply feed to help China's pork producers expand production again. In spite of the increased purchases, China's imports of U.S. agricultural products fell short of the 2020 commitments laid out in the "Phase One" trade agreement between the two countries.

When these projections were initially prepared, the global markets were expected to start recovering from ASF in 2021. However, recent outbreaks in China suggest that it may be a few more years until sow and hog herds return to pre-2018 levels. Likewise, with access to widespread vaccinations worldwide taking longer than initially thought and with the spread of new variants, this may also lead to more volatility in global markets as countries try to return to more normalcy post-pandemic.

As such, the level of uncertainty in global livestock product markets is greater than usual. These projections are intended to serve as a benchmark for what the world may look like in the next 10 years given a particular set of assumptions, and can serve as a point of reference for scenario analysis.

Some key results:

- Feed prices increased sharply between the summer of 2020 and early 2021 because of reduced estimates of 2020 crop production and strong demand from China and other countries, as described in companion reports.

- Global beef and pork production and domestic use fell in 2020, while global chicken production and domestic use grew. However, global production and use of all three meats is expected to grow over the projection period.

- China's imports of pork are estimated to stay above 3 million metric tons until 2024, as production and consumption are only expected to get back to 2018 levels by 2025 and 2026, respectively.

- The U.S. is expected to remain the second largest exporter of both pork and chicken in the world after the EU and Brazil, respectively.

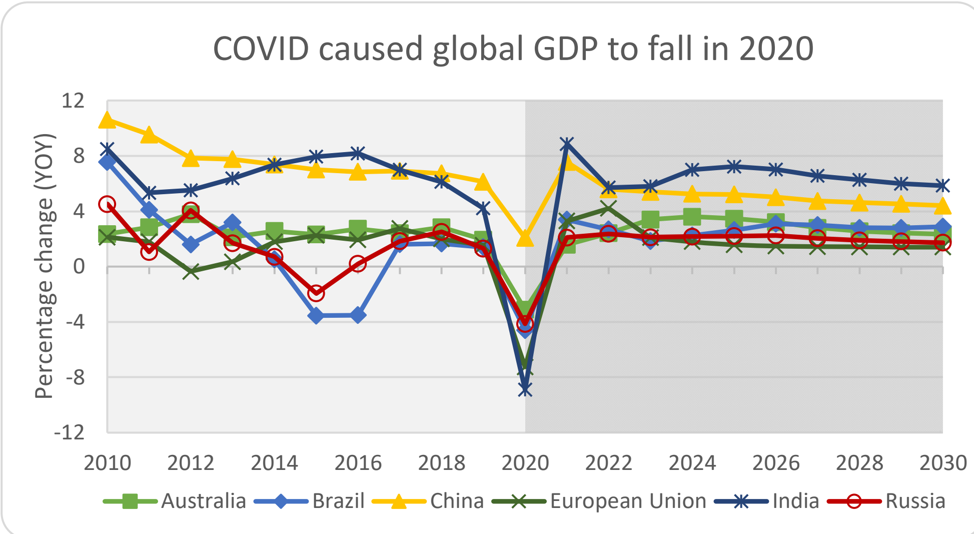
- Russia is anticipated to achieve self sufficiency by becoming a net exporter in both pork and chicken in 2020 and 2021, respectively.

For more information regarding the U.S. livestock market, please refer to livestock section of the *2021 U.S. Agricultural Market Outlook* (referenced above). This portion of the report was prepared by our colleagues at AMAP and the *AMAP 2021 baseline tables* can be found on their website at https://amap.missouri.edu/.

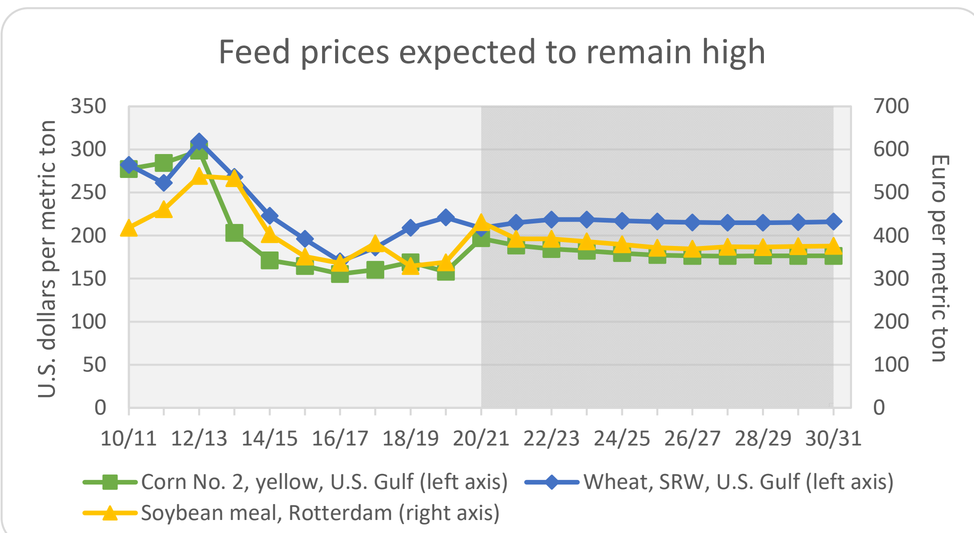
Data and assumptions

- This report was prepared the week of January 18, 2021 using the latest data available at that time.
- The macroeconomic data used to prepare this report has been forecast by IHS Markit in January 2021.
- The international livestock data comes primarily from the USDA's PSD database and includes updates from the latest USDA's GAIN reports. Some other sources used to update these data are AAFC, ALIC, FAO -GIEWS, OECD AGLINK and agricultural policy monitor and evaluation databases, Statistics Canada, and the World Bank "Pink Sheet" Data as well as many other country reports.
- All existing policies are assumed to remain in place. China did not meet its commitment to import U.S. agricultural products under the Phase One Agreement with the US in 2020 and it is assumed that it will fail to do so again in 2021.
- The EU figures include the UK and do not incorporate any changes regarding Brexit in the projections, since most of our data sources have yet to disaggregate them.
- The effects of La Nina and El Nino events have not explicitly been accounted for in these projections.
- This model does not disaggregate beef markets based on their foot and mouth disease (FMD) status.
- The models used to generate these projections are not bilateral in nature. As a result, it is difficult to quantify the effects of measures such as Japan lifting its ban of US beef in 2019 or China banning pork from Germany due to ASF concerns in 2020.
- It is important to remember when reviewing these projections that commodity price uncertainty and volatility is likely to persist. Given the nature of the market, relatively small changes in demand or supply can lead to big changes in prices.

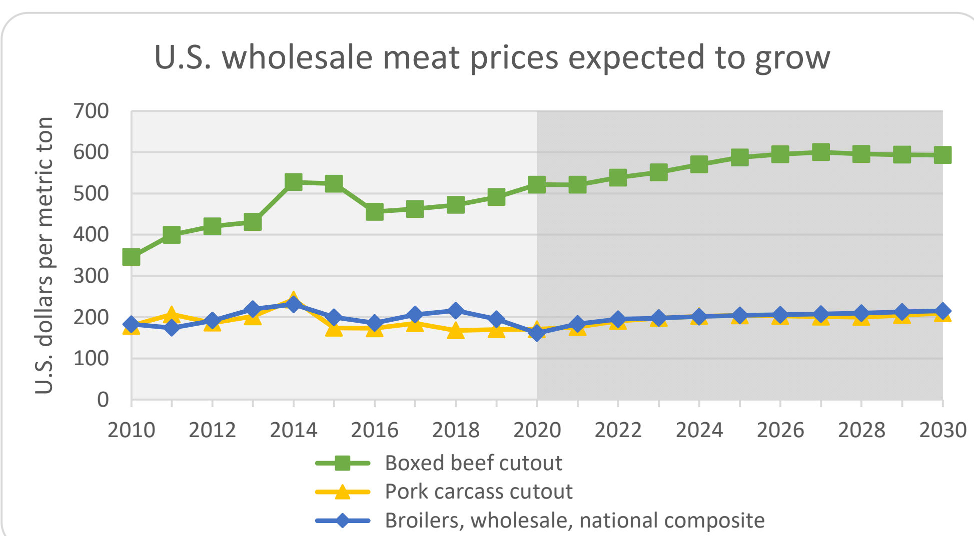
Macroeconomic assumptions and world indicator prices



According to IHS Markit, global real gross domestic product (GDP) fell sharply in 2020 due to the coronavirus pandemic and its associated responses. However, they project that most countries will beginning growing again in 2021 and 2022, with growth rates starting to stabilize around 2023.



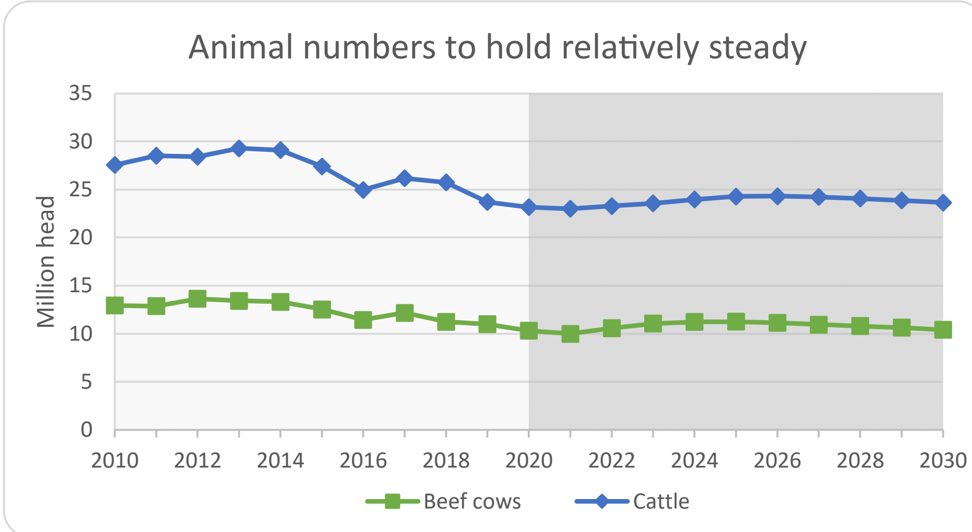
Smaller-than-anticipated crops in 2020 coupled with increased demand for feed ingredients from China led to a spike in global corn and soybean prices in the final months of 2020. Both corn and soybean prices are projected to remain relatively strong compared to the 2014 to 2019 average. After a narrowing in 2020/21, the gap between world wheat and corn indicator prices returns to more normal levels in later years.



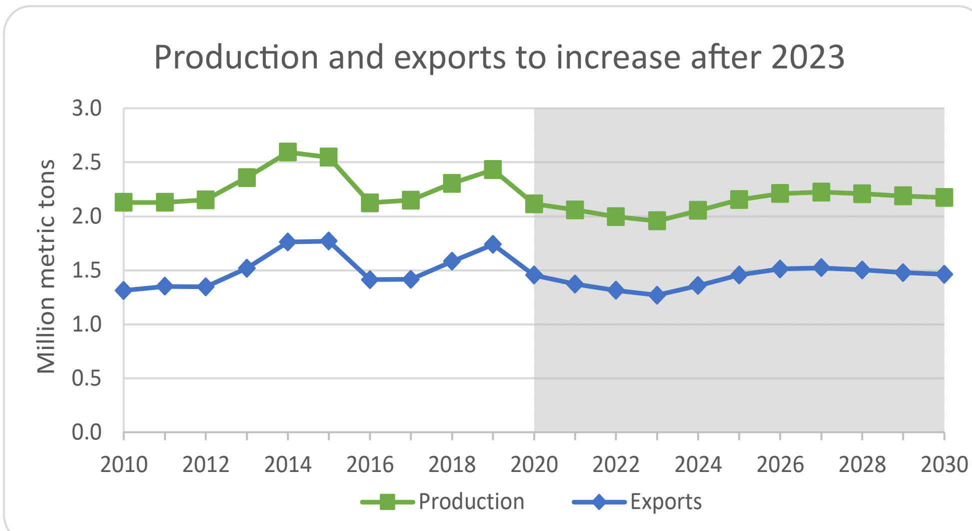
COVID-related problems at packing plants pushed down 2020 U.S. cattle and hog prices while pushing up wholesale prices for boxed beef and the pork cut-out value. U.S. wholesale chicken prices, on the other hand, fell in 2020. Wholesale prices for pork and chicken are projected to remain steady after 2022, while beef prices are expected to fall slightly in 2021 and then increase until 2026, given cyclical slowdowns in production growth.

Australia

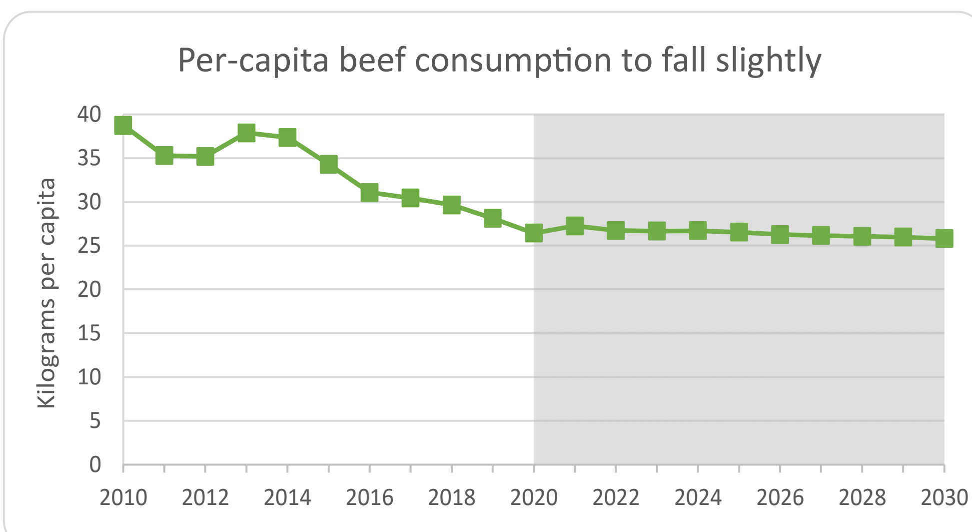
After severe drought and wildfires ravaged pasture land in 2018 and 2019, many producers opted to cull cattle or place them on feed instead, despite higher feed costs. Given improved weather conditions in 2020, Australian cattle producers have started to rebuild their herds and are expected to continue doing so until 2024 by holding back more heifers and retaining more cows.



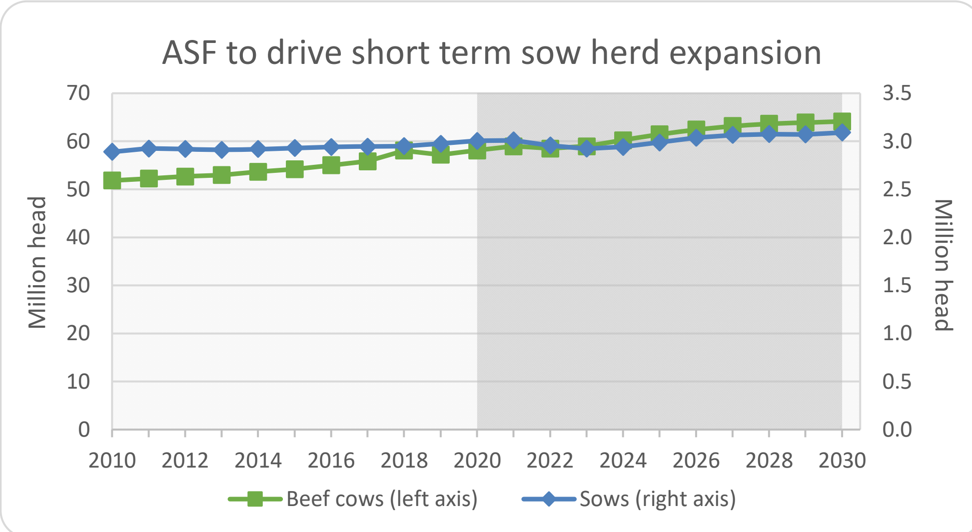
Consequently, beef production grew in Australia between 2018 and 2019, as more cattle were sent to slaughter. As producers continue to send fewer breeding animals to slaughter over the next few years, both production and subsequently exports are expected to fall, with the trough occurring in 2023.



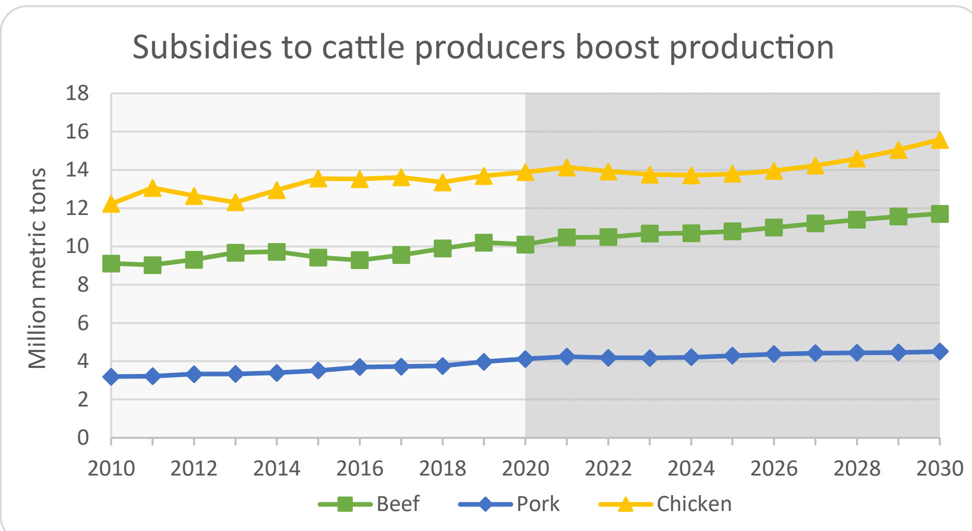
Per-capita consumption of beef is expected to rise in 2021 after falling substantially in 2020 due to the restrictions brought on by the coronavirus pandemic. As restrictions are anticipated to start being lifted in 2021, this is expected to increase the demand for beef once more. Higher prices put downward pressure on per-capita beef consumption after 2021, and per-capita beef consumption remains below the 2019 level for the entire projection period.



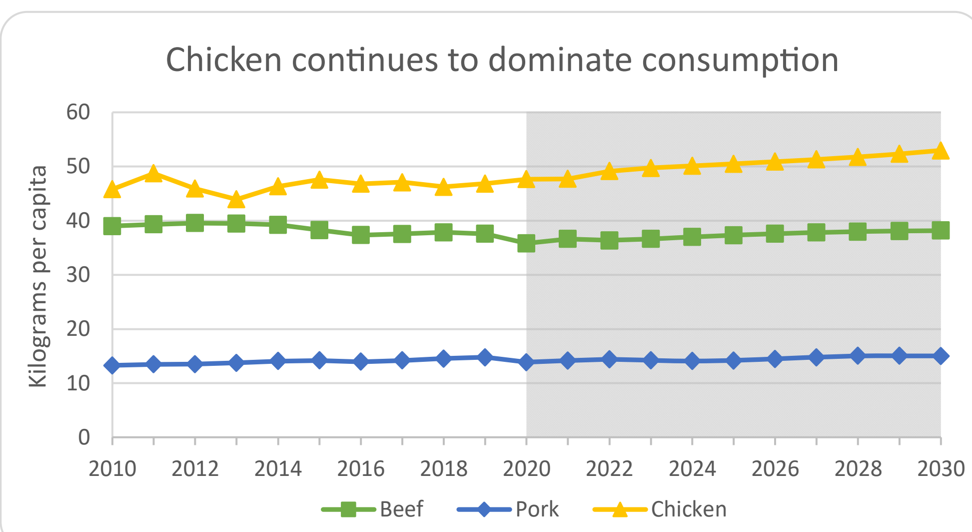
Brazil



In 2020, Brazil experienced expansion in both its beef cow and sow herds. The beef herd is expected to continue expanding due to increased subsidies for improved reproductive technologies and genetics, improved diets, and sustainable pasture use. However, due to increased feed costs, the sow herd is not anticipated to grow as much. In 2021, the sow herd expands in response to strong demand from countries affected by African swine fever (ASF).



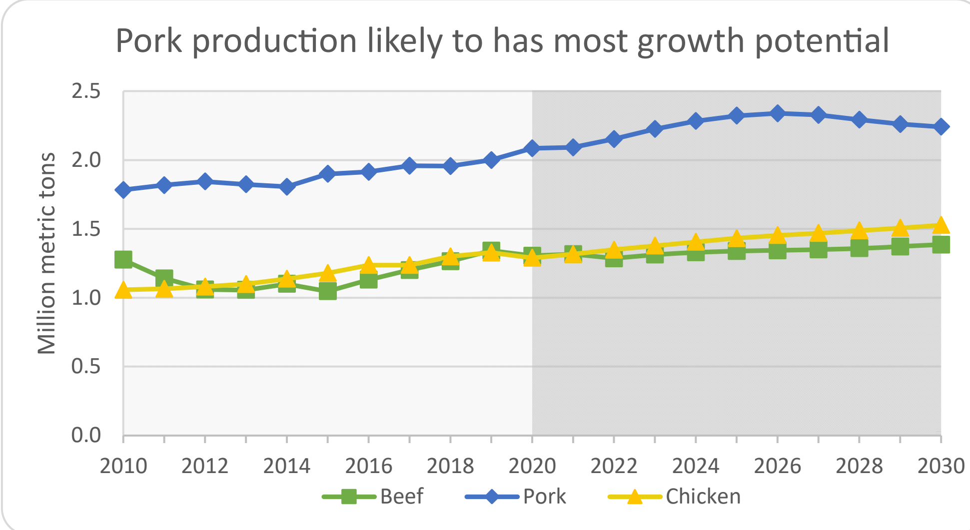
Beef production was down slightly in 2020 due to drought conditions which caused producers to hold onto cattle longer because almost 90% of the herd is on raised on pasture. However, we expect expansion in beef production to continue because of higher cattle prices and government subsidies to incentivize growth in the industry. We anticipate sustained growth in both chicken and pork production over the baseline period.



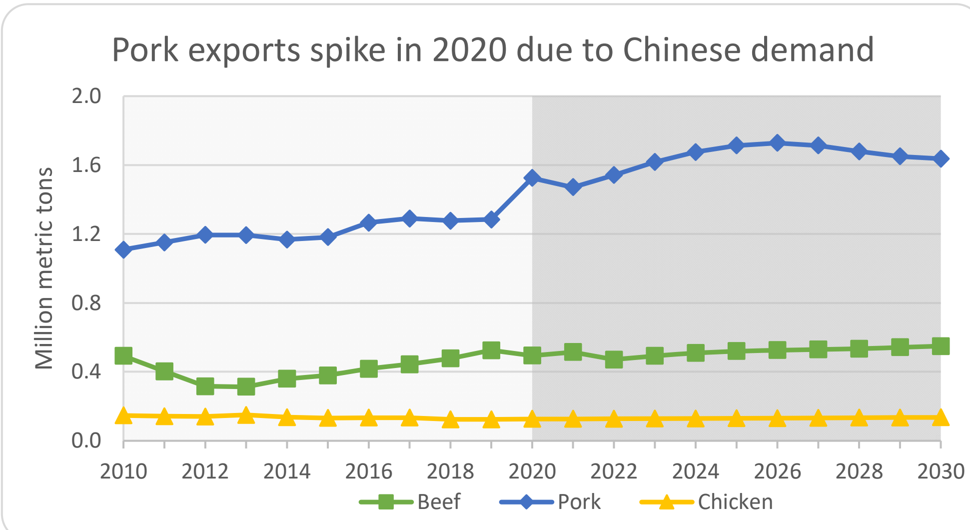
Beef per-capita consumption remained strong in 2020 due to a government voucher program for low income families which led to increased consumption of lower value cuts. However, due to high unemployment, uncertainty about the program being extended and higher beef prices, we expect beef consumption to fall in 2021 and beyond. Chicken consumption, however, fell in 2020 but is expected to grow going forward as it is the most economical of the three proteins. Pork consumption also fell in 2020 due to increased global export demand and is expected to fall slightly over time.

Canada

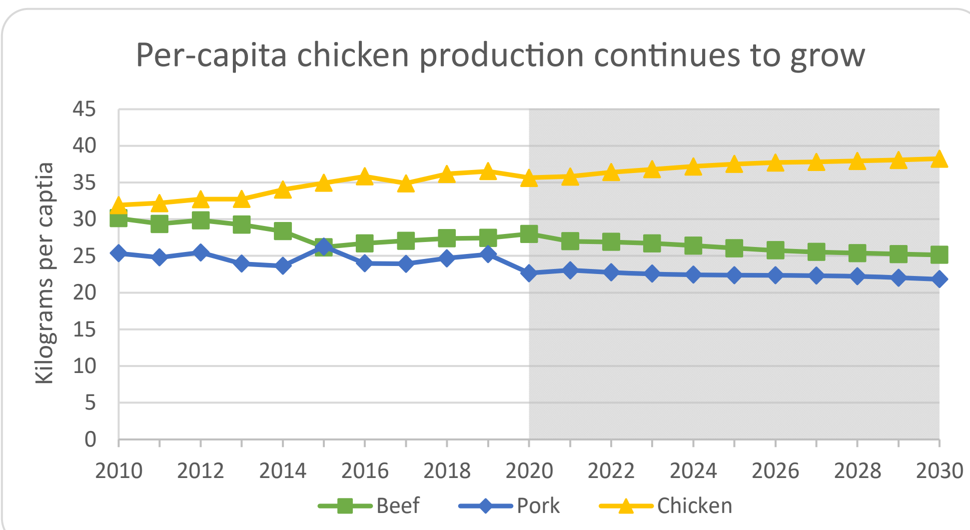
Beef and chicken production fell in 2020 due to decreased domestic demand and reduced slaughter capacity as a result of COVID-19 outbreaks across various meat packing plants across the country. Pork production, however, grew as demand for pork imports from China remained strong in the wake of ASF. We expect to see growth in all three protein sources but pork production in the second half of the baseline period as export demand weakens.



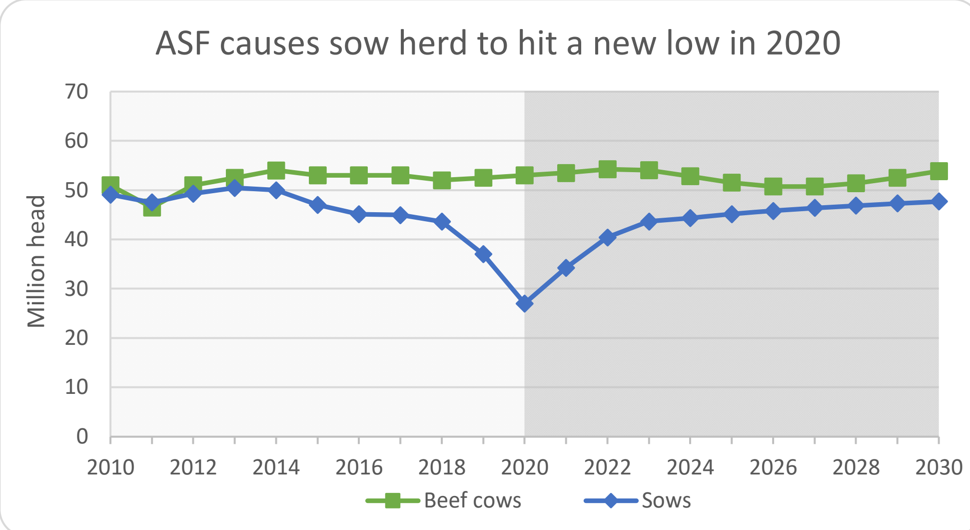
Limited shackle space and slaughtering capacity resulted in lower beef exports in 2020. However, increased global demand is expected to fuel increased exports over the baseline. Chicken exports in Canada remain small as the industry is run using a supply managed system and exports subsidies are limited under the Nairobi Agreement. Meanwhile, pork exports saw a large boost in 2020, bolstered mostly by demand from China due to ASF. This expansion is expected to continue for the next few years and then taper off after 2026.



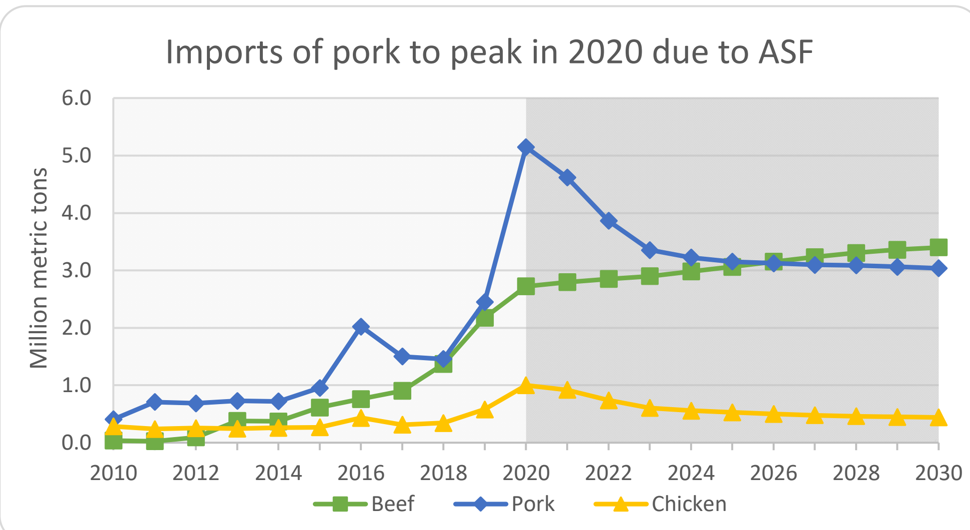
Per-capita consumption of both chicken and pork fell in 2020, while beef production increased. Furthermore, many Canadians enjoyed more beef at home during lockdown as many stocked their freezers with beef pre-lockdown despite higher domestic prices. However, over the baseline period, we anticipate there will only be growth in chicken consumption, while beef and pork consumption are expected to fall.



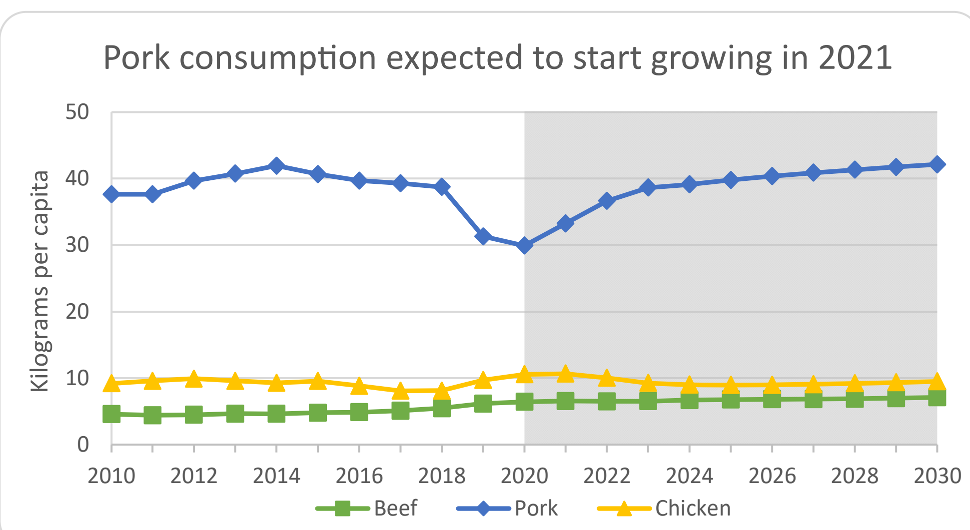
China



Due to the ASF outbreak in China that was first discovered in fall 2018, the sow herd fell 38% between 2018 and 2020. This large dip in the sow herd caused the total swine herd to contract 21% over the same period. The decreased supply and high prices of pork in China had a positive impact on the beef sector. We expect that the sow herd will begin to rebuild in 2021 and will surpass 2018 levels by 2023, however, the herd is not expected to exceed pre-2014 levels. The beef cow herd is expected to continue growing until 2022.



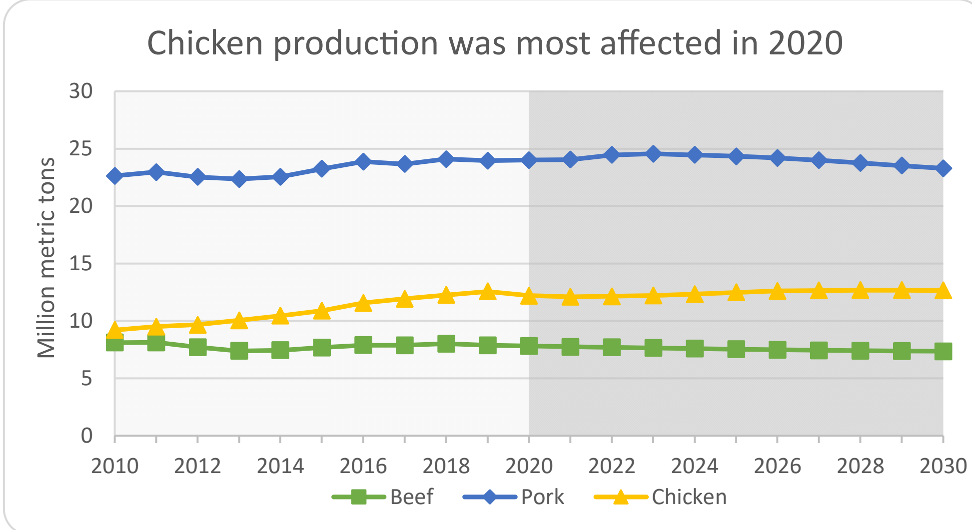
Given the shortage of pork on the Chinese market and the high domestic prices, imports of pork rose 350% between 2018 and 2020. However, this major increase in pork imports was not enough to offset China's loss in production, and the country accounts for nearly 50% of the world's pork production. Consequently, imports of beef and chicken rose substantially, too. As China recovers from ASF, we expect imports of pork and chicken to fall but remain well above historical levels. Beef imports are expected to continue growing as consumers respond to higher incomes.



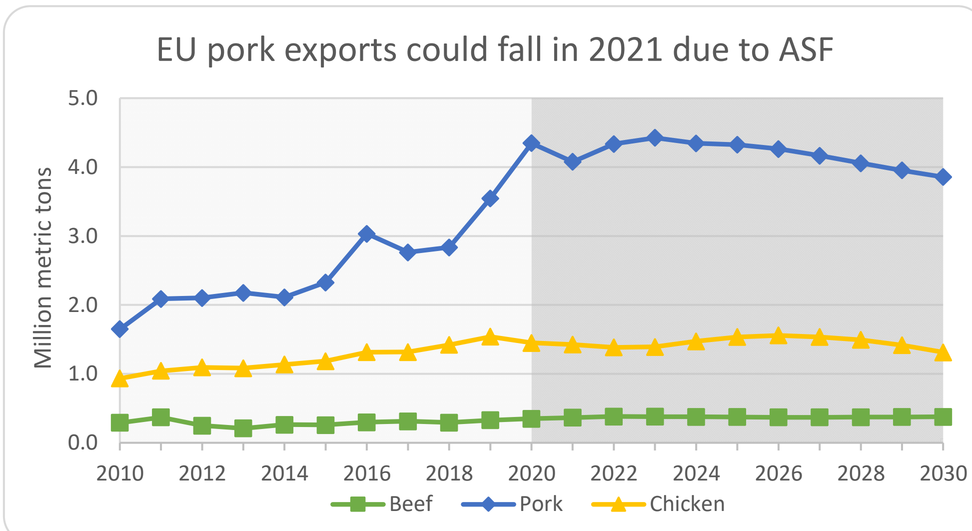
While ASF did cause per-capita consumption of pork to fall between 2018 and 2020 mainly due to record high prices, pork still remains a staple in the Chinese diet. We expect pork production to grow steadily as China recovers from ASF. Chicken per-capita consumption is expected to remain high during the first part of the ASF recovery years and then slowly decline. Conversely, beef per-capita consumption is expected to remain above historical levels as consumers continue to demand more beef in their diets.

European Union

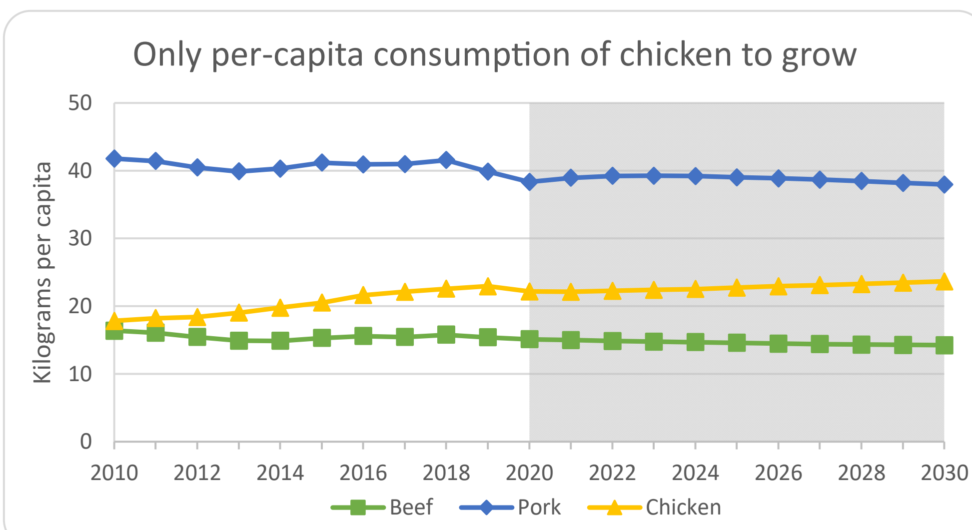
Due to reduced demand from the hotel and restaurant industries brought on by COVID lockdowns across multiple European countries, production of beef and chicken fell in 2020. However, chicken production is expected to expand over the baseline, while beef production is expected to fall. With regards to pork production, thanks to increased export demand from China, production grows slightly in 2021 and 2022. As China recovers from ASF we expect pork production to fall after 2022.



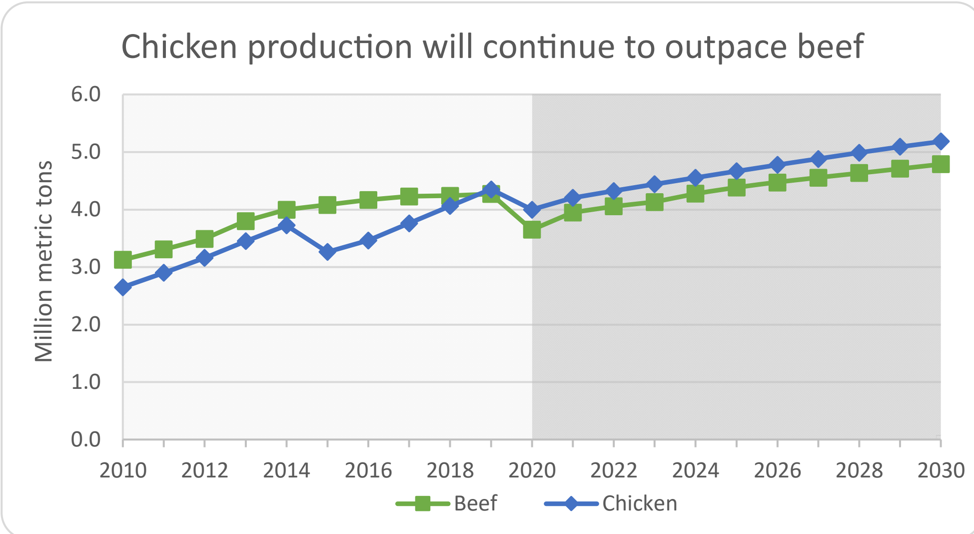
The sharp rise in pork exports coincides with the rise in imports by China in the wake of ASF. Despite China still importing a fair amount of pork in 2021, the EU exports will likely decline slightly due to the resurgence of ASF in countries like Germany. Going forward we expects exports to fall as China and other countries recover. Chicken exports fell in 2020 due to decreased production and are expected to grow slightly in the future. Beef exports increased slightly in 2020 and are expected to remain relatively flat moving forward.



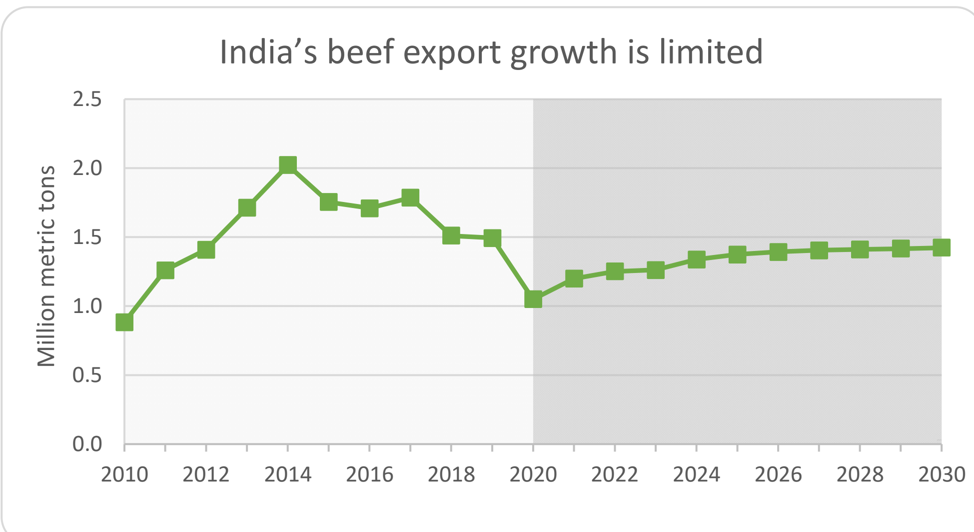
Per-capita consumption of all meats was down in 2020 due to COVID-19 restrictions and reduced travel across the EU. Pork consumption was down also due to decreased domestic availability given the increase in exports. As many countries begin reopening their economies, we expect to see growth in chicken consumption, but pork and beef consumption are likely to fall over the baseline.



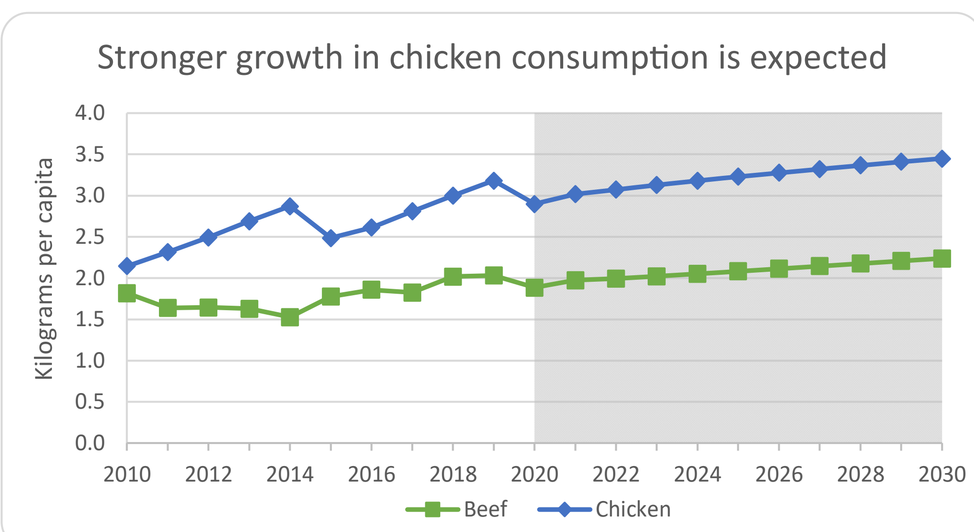
India



In spite of increases in the dairy herd and cattle inventories, beef production fell almost 15%, in 2020 due to reduced movement of cattle and plant closures during COVID-19 lockdowns. Likewise, pandemic restrictions reduced chicken production by about 8%. As the economy starts to slowly rebuild both beef and chicken production are expected to grow at a slower rate than the 2010-19 period. An emerging threat is that more cases of avian flu have been reported across the country.



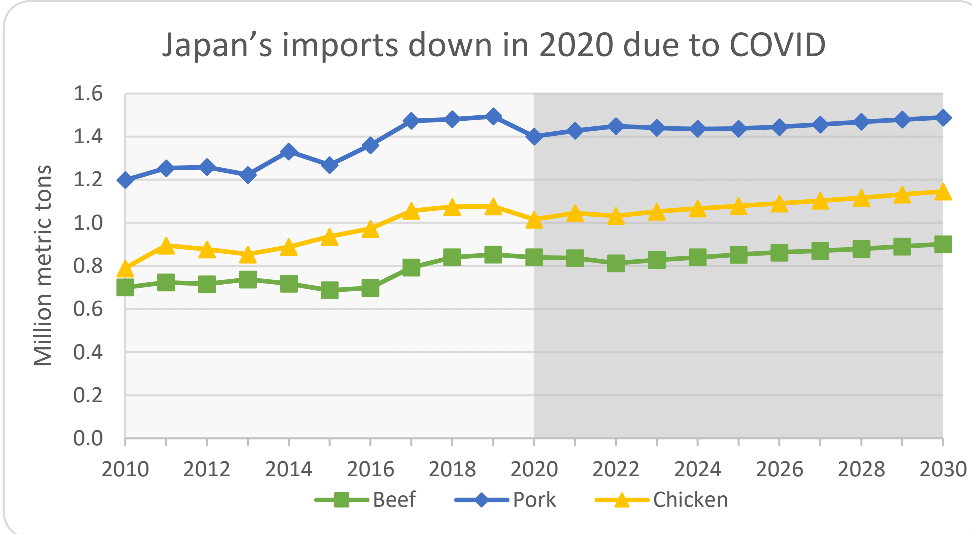
Most of India's chicken production is destined for domestic demand, with less than 1% being destined for the export market. Conversely, India is one of the largest beef exporters in the world, but it's important to remember that they do not compete directly with exporters like the U.S. that are free of foot and mouth disease (FMD) without vaccination. The anticipated growth in beef exports over the baseline will likely go to countries with similar FMD status, which are mostly developing countries.



Decreased economic activity associated with COVID-19 lockdowns contributed to a lower domestic use and per-capita consumption of both beef and chicken. As the economy recovers, per-capita consumption of both beef and chicken is expected to grow over the baseline period. It is important to recall that growth in beef consumption is driven by the portion of the population that is not Hindu.

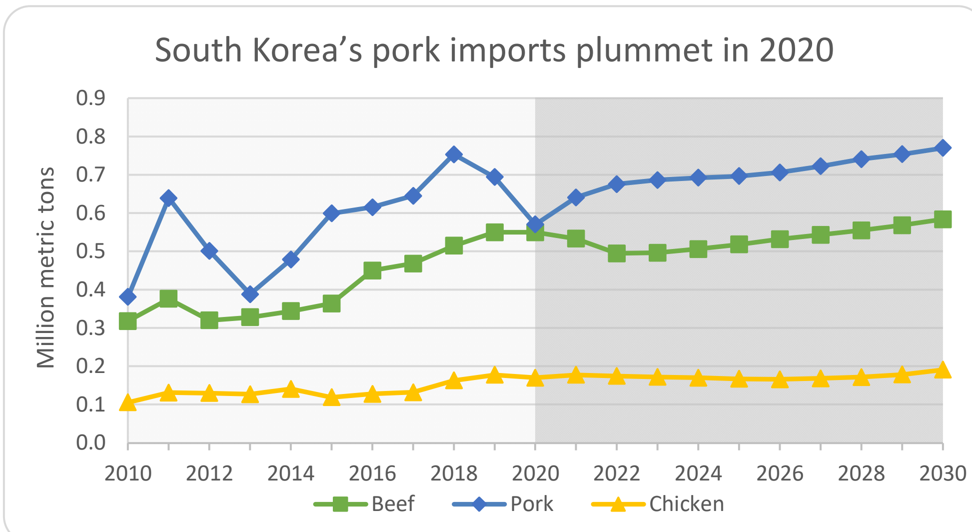
Japan

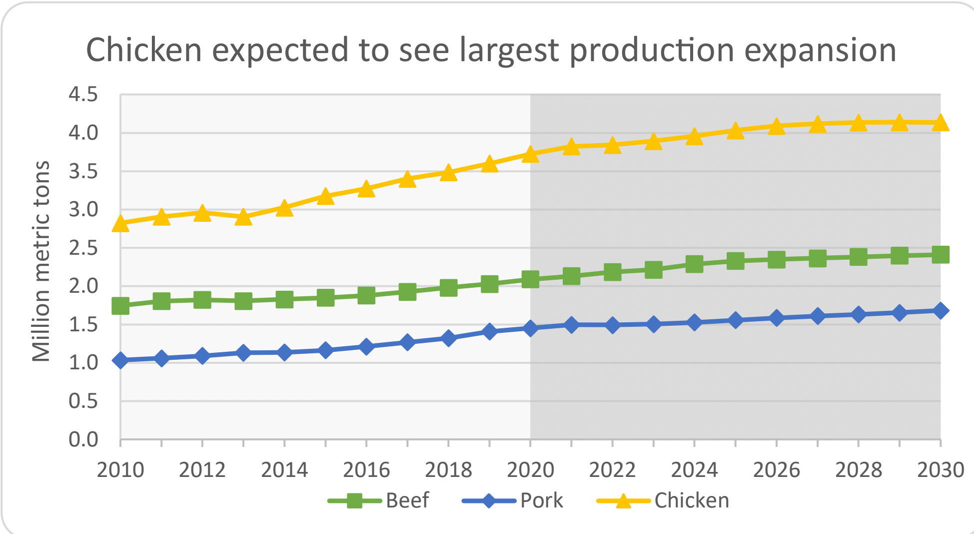
Chicken imports fell in 2020 due to an increase in production and reduced demand from the food service sector (which uses predominantly imported meat) as a result of the pandemic. Likewise, beef and pork also saw increased production and reduced consumption and imports in 2020. We anticipate that as the economy recovers imports of all three protein sources will likely grow slightly. The chicken sector was affected by an outbreak of avian influenza at the end of 2020.



South Korea

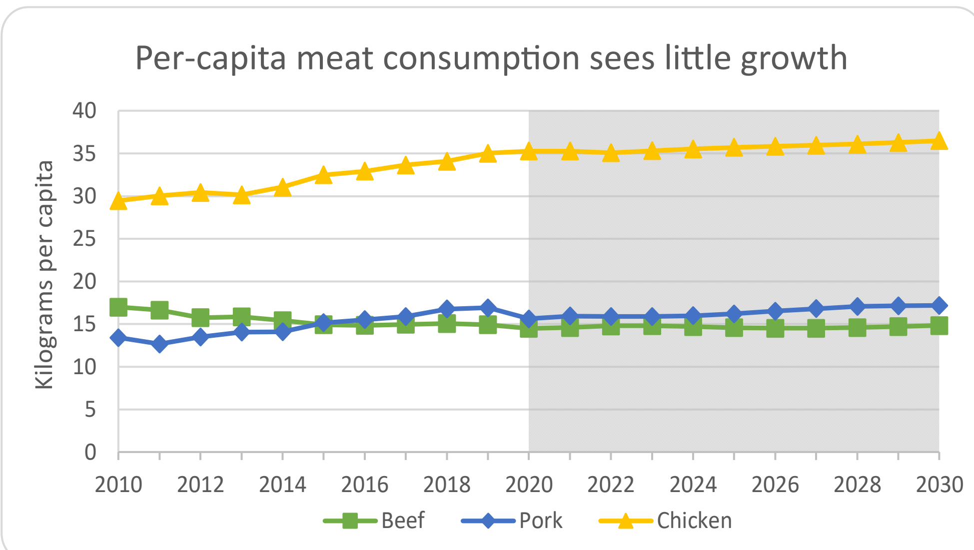
Pork imports, which are typically used in restaurants, were down about 18% in 2020 due to increased use of domestic pork for home consumption brought on by the pandemic. Beef imports were flat in 2020 as consumers use of domestic Hanwoo beef for in home dining vied with competitively priced beef imports, primarily from the U.S. Chicken imports were down slightly in 2020 due to decreased consumption brought on by COVID-19 and increased inventories of domestic frozen meat. Again, as the economy recovers we anticipate that imports of all three proteins will grow.



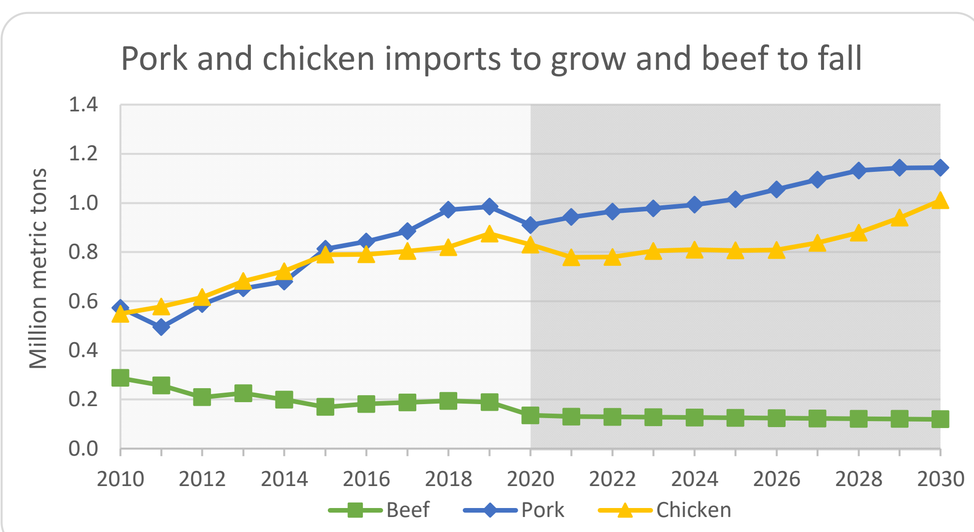


Mexico

Despite minor complications due to the coronavirus pandemic, all three meat sectors saw an increase in production in 2020. However, due to rising feed prices, growth in 2021 may be lower than reported here. That said, due to increasing domestic demand for chicken and pork and strong export demand for beef, we anticipate that meat production will rise over the outlook period.



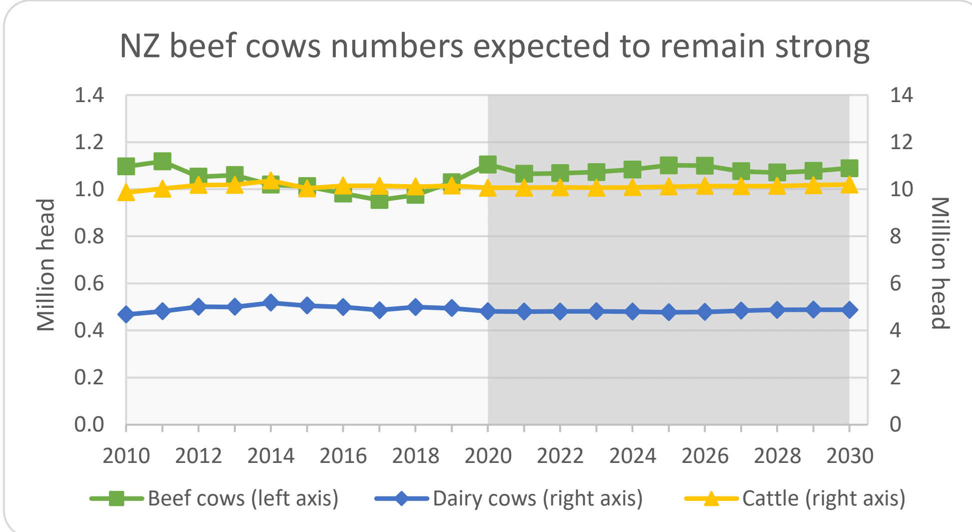
The recession brought on by COVID-19 led to lower disposable incomes. This caused consumers to reduce their consumption of more expensive protein sources such as beef and pork in favor of chicken. As the economy recovers and incomes stabilize, we anticipate that consumers will continue to increase their consumption of both chicken and pork, while beef consumption is expected to remain relatively flat.



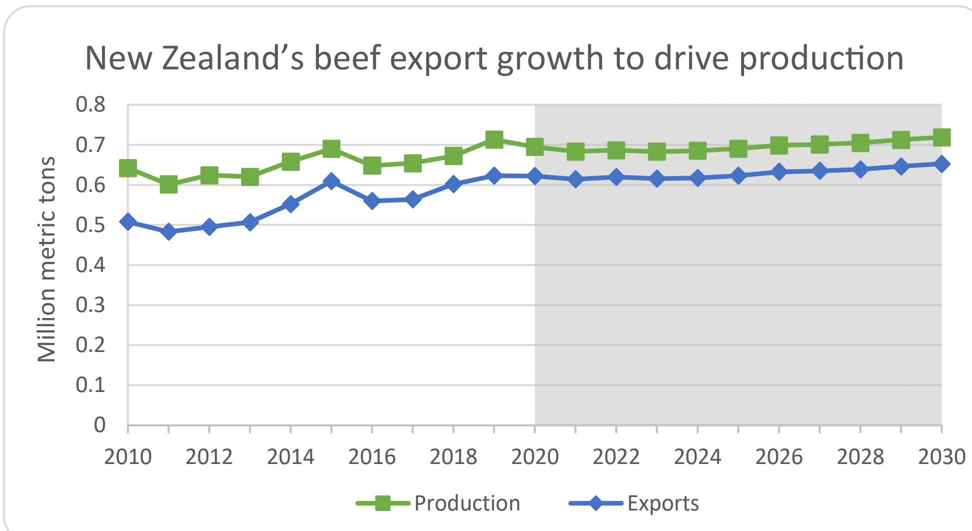
The economic downturn brought on by the pandemic led to less import demand for meat in the hotel and restaurant industry and the processing industry. Consequently, beef imports fell nearly 30% in 2020, while pork and chicken imports fell by only about 5% and 8%, respectively. As the economy recovers, we expect chicken and pork imports to rise over the baseline, while beef imports are expected to remain below 2019 due to higher relative prices.

New Zealand

Beef cow numbers increased at the beginning of 2020 as producers expanded their herds in response to demand by China. However, drought conditions during the spring of 2020, resulted in an increase in beef cow slaughter, thereby lowering beginning stocks in 2021. Moving forward, we anticipate producers will try to rebuild their breeding herds. The drought also caused dairy producers to cull some of their animals in 2020. We expect new environmental guidelines for the dairy industry herd to restrain future inventories.

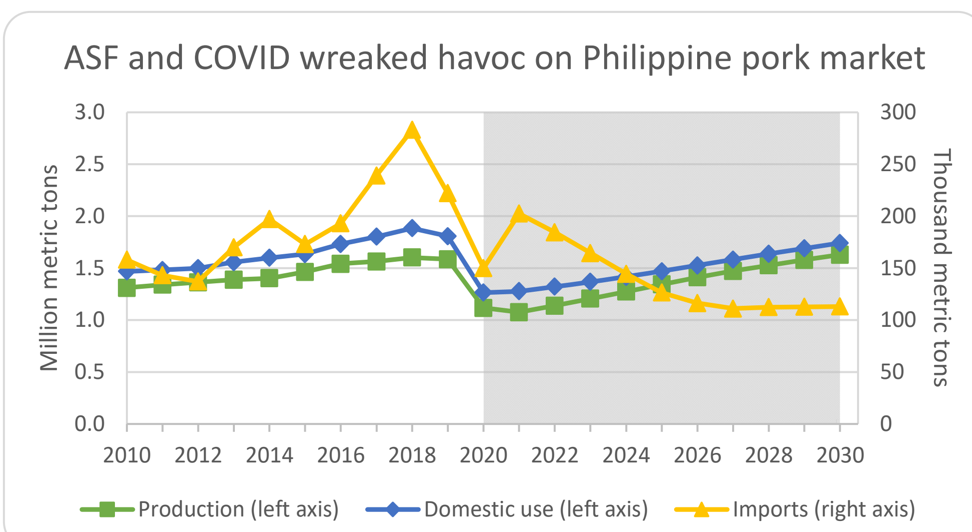


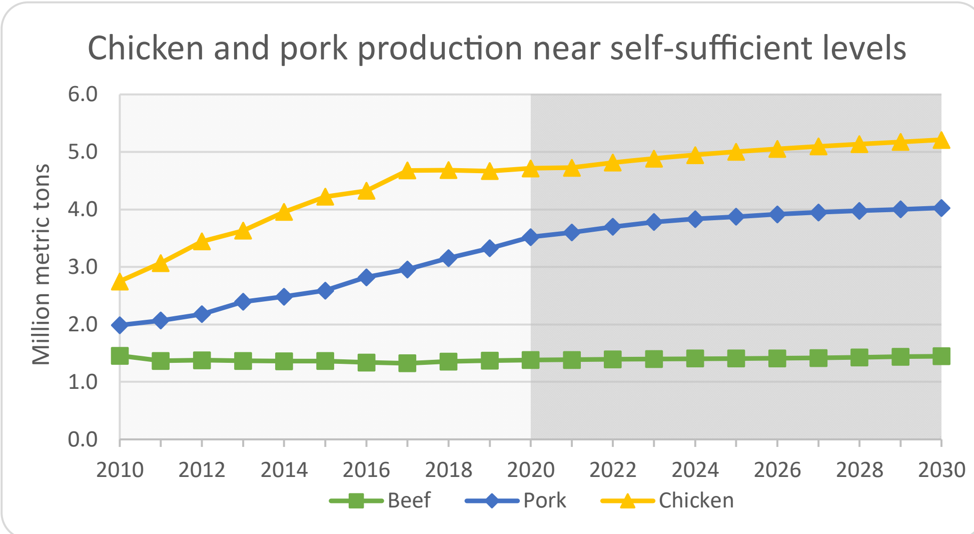
Production fell in 2020 by nearly 2.5% as a result of the backlogs at slaughter plants brought on by COVID-19 during the first half of the year and by lower animal slaughter weights due to reduced pasture for grazing caused by the drought. Exports, however, were almost unchanged from 2019 to 2020. Strong demand from China and the U.S. supported exports in 2020 and continues to do so over the projection period. New Zealand's consumption of beef is expected to fall.



Philippines

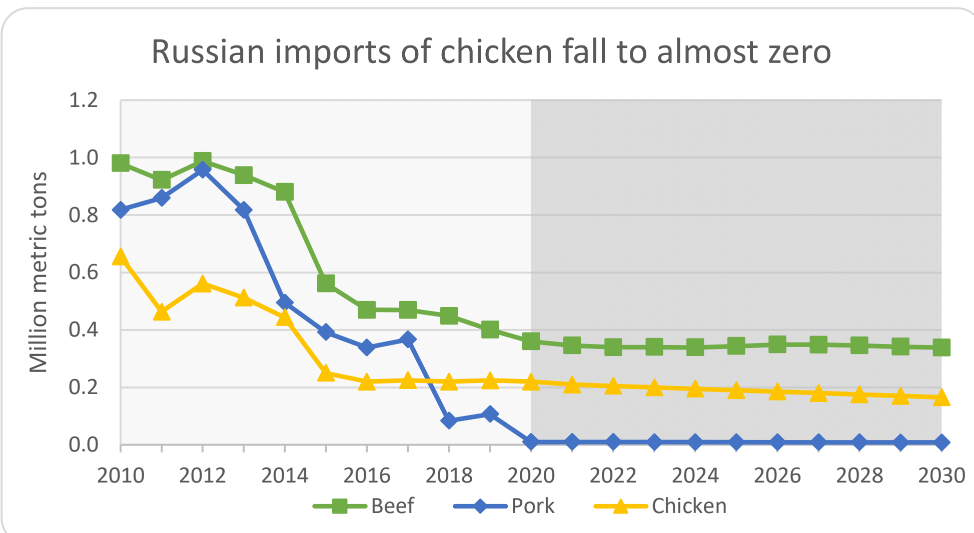
The presence of ASF in various parts of the country led many farmers to cull their herds in 2020, and pork production fell nearly 30%. Reduced food service demand brought on by COVID-19 quarantine restrictions and higher prices reduced consumption, although the government imposed restrictions on retail prices. Imports fell by 32% in 2020 given restrictions imposed by the government on trade of processed products containing pork as a way of slowing the spread of ASF. The projected increase in imports in 2021 does not fully offset the reduction in production.



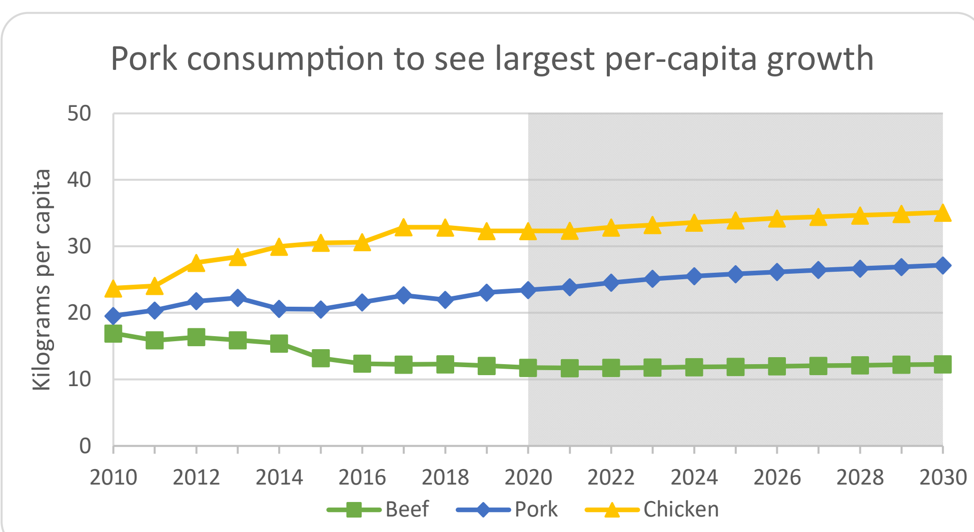


Russia

Pork and chicken production have grown steadily over the past decade as investments have been made to modernize the sectors. Ample grain supplies allowed meat production to grow in 2020, but higher meal prices will increase feed costs going forward. Furthermore, avian flu and ASF in various regions could limit growth in the future. Beef production, on the contrary, remains relatively flat as beef is still predominantly produced via backyard farming.



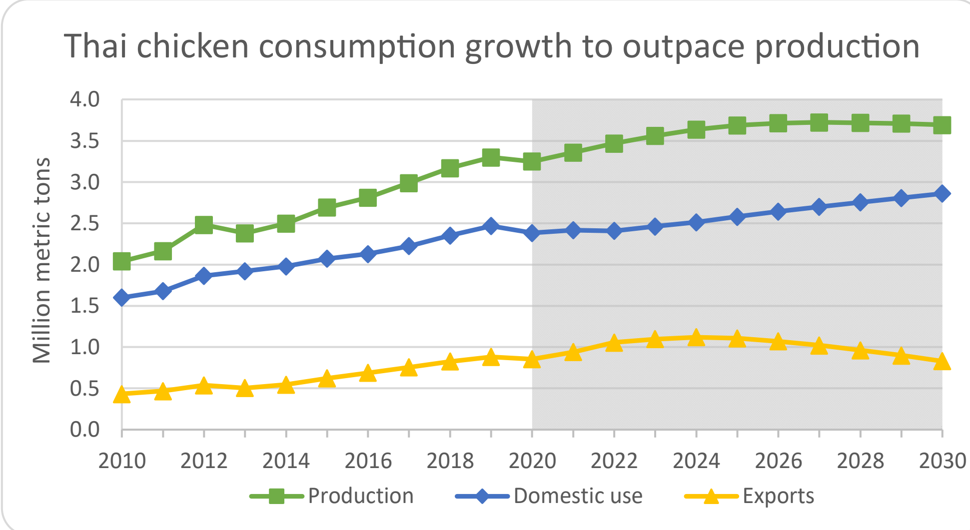
In recent years, Russia has been working towards a policy goal of self sufficiency in food. As of 2020, Russian production of both chicken and pork have exceeded domestic use. We anticipate that this will result in almost negligible imports of pork over the baseline and lower imports of chicken. Beef imports continued to fall in 2020 due to reduced economic activity associated with COVID-19 and a weaker Russian ruble. Over the baseline period, beef imports are expected to hold steady.



Ample pork supplies have caused prices to fall in 2020, resulting in a increase in per-capita consumption. Pork per-capita consumption is anticipated to see the largest growth over the baseline. Chicken per-capita consumption remained relatively flat in 2020 and is expected to grow slightly over the baseline. Beef per-capita consumption fell as a domestic incomes fell in the wake of COVID-19. It is expected to increase slightly as domestic incomes grow.

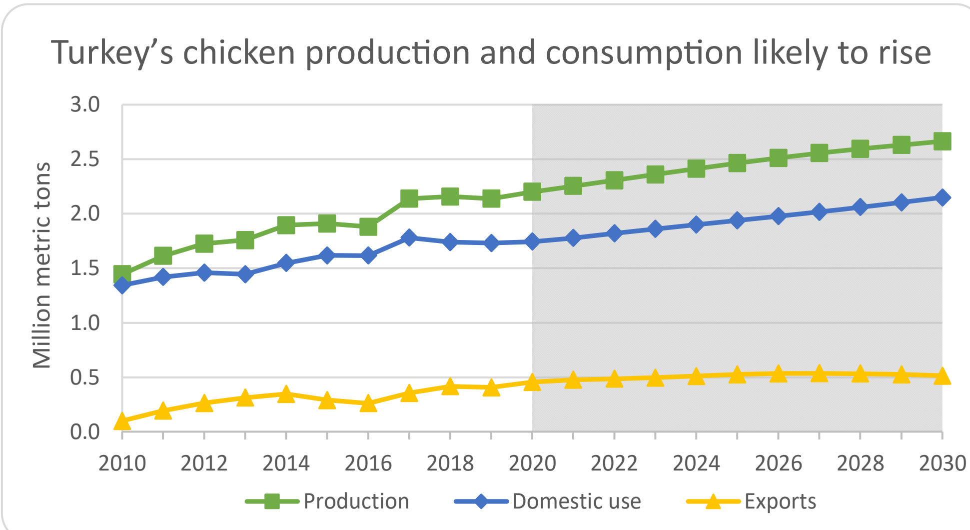
Thailand

Due to the reduced economic output brought on by COVID-19, Thailand saw a dip in its chicken production, in 2020. As markets begin to reopen post-pandemic, we expect production to recover, but it is likely to level off around 2026. Also the lack of tourism coupled with decreased domestic incomes caused chicken consumption to fall in 2020, but it is anticipated that consumption growth will resume after 2022. This is expected to result in increased exports during the first half of the baseline period, with exports waning after that.



Turkey

Despite unstable exchange rates, rising feed costs (made worse by the pandemic) and Turkey's dependency on feed imports, chicken production is expected to continuing growing over the baseline but at a slower rate. These increasing production costs and prices are expected to have very little negative impact on growth in domestic use over the baseline, as chicken is the most popular and one of the least expensive protein sources available. As such, exports are expected to remain relatively flat going forward.



Appendix of tables

Macroeconomic assumptions

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Real GDP growth				(Percentage change year-over-year)							
Australia	1.9	2.4	2.8	3.8	2.1	2.6	2.3	2.7	2.4	2.8	1.9
Brazil	0.2	7.6	4.1	1.6	3.2	0.5	-3.5	-3.5	1.6	1.7	1.4
Canada	-2.9	3.1	3.1	1.8	2.3	2.9	0.7	1.0	3.0	2.4	1.9
China	9.4	10.6	9.6	7.8	7.8	7.4	7.0	6.8	6.9	6.7	6.1
European Union	-4.2	2.1	1.8	-0.4	0.3	1.8	2.3	1.9	2.8	2.0	1.5
India	7.7	8.5	5.3	5.5	6.4	7.4	8.0	8.2	7.0	6.1	4.2
Japan	-5.7	4.1	0.0	1.4	2.0	0.2	1.6	0.7	1.7	0.6	0.3
Mexico	-5.1	5.1	3.7	3.4	1.6	2.9	3.3	2.4	2.3	2.2	0.0
New Zealand	0.4	2.0	1.8	2.6	2.3	3.3	4.2	4.2	4.0	4.3	3.0
Philippines	1.5	7.3	3.8	6.9	6.8	6.3	6.3	7.1	6.9	6.3	6.1
Russia	-7.9	4.5	1.1	4.1	1.7	0.7	-1.9	0.2	1.8	2.5	1.3
South Korea	0.8	6.8	3.7	2.4	3.2	3.2	2.8	2.9	3.2	2.9	2.0
Thailand	-0.7	7.5	0.8	7.2	2.6	1.0	3.2	3.4	4.1	4.1	2.4
Turkey	-4.8	8.6	11.0	4.8	8.7	4.9	6.0	3.3	7.5	3.1	1.0
World	-1.7	4.2	3.1	2.6	2.8	3.0	3.1	2.8	3.4	3.2	2.6
Exchange rates				(National currency unit per U.S. dollar)							
Australia	1.28	1.09	0.97	0.97	1.04	1.11	1.33	1.35	1.30	1.34	1.44
Brazil	2.00	1.76	1.67	1.95	2.16	2.35	3.33	3.49	3.19	3.65	3.94
Canada	1.14	1.03	0.99	1.00	1.03	1.10	1.28	1.33	1.30	1.30	1.33
China	6.83	6.77	6.46	6.31	6.15	6.16	6.28	6.64	6.76	6.62	6.91
Eurozone	0.72	0.76	0.72	0.78	0.75	0.75	0.90	0.90	0.89	0.85	0.89
India	48.41	45.73	46.67	53.44	58.60	61.03	64.15	67.20	65.12	68.39	70.43
Japan	93.57	87.78	79.81	79.81	97.63	105.85	121.03	108.83	112.18	110.39	109.04
Mexico	13.51	12.64	12.44	13.16	12.77	13.31	15.87	18.69	18.92	19.24	19.26
New Zealand	1.60	1.39	1.27	1.23	1.22	1.21	1.43	1.44	1.41	1.45	1.52
Philippines	47.68	45.11	43.31	42.23	42.45	44.40	45.50	47.49	50.40	52.66	51.80
Russia	31.76	30.37	29.40	31.08	31.85	38.46	61.11	67.03	58.31	62.74	64.73
South Korea	1,276.93	1,156.06	1,108.29	1,126.47	1,094.85	1,052.96	1,131.16	1,160.43	1,130.42	1,100.56	1,165.06
Thailand	34.29	31.69	30.49	31.08	30.73	32.49	34.26	35.29	33.93	32.31	31.05
Turkey	1.55	1.50	1.67	1.80	1.90	2.19	2.72	3.02	3.65	4.83	5.68
Population						(Millions)					
Australia	21.8	22.2	22.5	22.9	23.3	23.6	23.9	24.3	24.6	24.9	25.2
Brazil	193.9	195.7	197.5	199.3	201.0	202.8	204.5	206.2	207.8	209.5	211.0
Canada	33.6	34.0	34.3	34.7	35.0	35.4	35.7	36.1	36.5	37.0	37.5
China	1,361.2	1,368.8	1,376.5	1,384.2	1,391.9	1,399.5	1,406.8	1,414.0	1,421.0	1,427.6	1,433.8
European Union	501.1	502.6	503.9	505.1	506.2	507.2	508.2	509.3	510.4	511.4	512.2
India	1,217.7	1,234.3	1,250.3	1,265.8	1,280.8	1,295.6	1,310.2	1,324.5	1,338.7	1,352.6	1,366.4
Japan	128.6	128.5	128.5	128.4	128.3	128.2	128.0	127.8	127.5	127.2	126.9
Mexico	112.5	114.1	115.7	117.3	118.8	120.4	121.9	123.3	124.8	126.2	127.6
New Zealand	4.3	4.4	4.4	4.5	4.5	4.6	4.6	4.7	4.7	4.7	4.8
Philippines	92.4	94.0	95.6	97.2	98.9	100.5	102.1	103.7	105.2	106.7	108.1
Russia	143.3	143.5	143.7	144.0	144.3	144.7	145.0	145.3	145.5	145.7	145.9
South Korea	49.3	49.5	49.8	50.1	50.3	50.6	50.8	51.0	51.1	51.2	51.2
Thailand	66.9	67.2	67.5	67.8	68.1	68.4	68.7	69.0	69.2	69.4	69.6
Turkey	71.3	72.3	73.4	74.7	75.9	77.2	78.5	79.8	81.1	82.3	83.4
World	6,837.8	6,920.7	6,994.6	7,078.0	7,161.8	7,246.0	7,330.3	7,414.3	7,498.0	7,581.1	7,662.9

Source: IHS Markit, January 2021

Macroeconomic assumptions

	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Real GDP growth				(Percentage change year-over-year)							
Australia	-3.1	1.6	2.4	3.4	3.6	3.5	3.2	2.8	2.6	2.4	2.3
Brazil	-4.6	3.4	2.7	1.8	2.3	2.6	3.1	3.0	2.8	2.8	2.9
Canada	-5.7	4.0	3.9	2.2	2.5	2.2	1.8	1.6	1.6	1.6	1.7
China	2.1	7.6	5.6	5.4	5.3	5.2	5.0	4.7	4.6	4.5	4.4
European Union	-7.3	3.3	4.2	2.1	1.8	1.6	1.5	1.4	1.4	1.4	1.4
India	-8.9	8.9	5.7	5.8	7.0	7.2	7.0	6.6	6.3	6.0	5.8
Japan	-5.4	2.3	1.6	1.1	1.0	0.9	0.9	0.9	1.0	1.0	0.9
Mexico	-9.0	3.7	2.6	2.7	2.1	2.3	2.6	2.5	2.5	2.7	2.7
New Zealand	-1.1	2.9	1.3	2.5	2.5	2.3	1.9	1.9	1.9	1.9	1.9
Philippines	-8.9	7.7	7.0	6.0	5.8	5.5	5.2	4.8	4.7	4.5	4.4
Russia	-4.1	2.1	2.4	2.1	2.2	2.2	2.3	2.0	1.9	1.8	1.7
South Korea	-1.1	2.2	2.6	2.1	2.0	1.9	1.9	1.8	1.7	1.5	1.4
Thailand	-6.1	3.5	3.6	3.6	3.4	3.4	3.3	3.2	3.0	2.9	2.8
Turkey	0.2	3.8	4.4	2.9	2.7	2.8	2.6	2.8	2.8	2.9	2.9
World	-3.9	4.4	4.1	3.2	3.1	3.1	3.0	2.9	2.9	2.9	2.8
Exchange rates				(National currency unit per U.S. dollar)							
Australia	1.45	1.31	1.35	1.34	1.31	1.36	1.46	1.46	1.44	1.42	1.42
Brazil	5.16	5.21	4.81	4.80	4.84	4.91	4.97	5.03	5.09	5.16	5.23
Canada	1.34	1.29	1.23	1.21	1.22	1.23	1.24	1.24	1.25	1.26	1.26
China	6.90	6.39	6.35	6.32	6.31	6.28	6.31	6.39	6.47	6.55	6.63
Eurozone	0.88	0.80	0.79	0.78	0.77	0.78	0.79	0.80	0.81	0.82	0.82
India	74.10	73.86	76.11	76.54	76.90	77.92	78.51	77.82	76.14	75.01	75.02
Japan	106.78	103.16	101.24	97.12	94.62	93.50	92.77	92.25	92.13	92.14	92.41
Mexico	21.49	20.16	20.01	20.35	20.81	21.26	21.64	21.98	22.31	22.63	22.95
New Zealand	1.54	1.38	1.43	1.42	1.39	1.46	1.62	1.65	1.66	1.67	1.67
Philippines	49.62	48.39	49.16	49.35	49.01	48.64	48.27	47.92	47.59	47.30	47.08
Russia	72.25	70.92	65.72	64.98	65.70	65.92	66.23	66.56	66.89	67.15	67.08
South Korea	1,180.27	1,120.68	1,165.41	1,171.16	1,171.49	1,170.91	1,169.75	1,167.80	1,164.69	1,161.52	1,157.93
Thailand	31.29	30.37	30.18	30.15	30.20	30.32	30.41	30.51	30.61	30.71	30.77
Turkey	7.02	7.37	7.89	8.31	8.58	8.85	9.11	9.37	9.63	9.89	10.14
Population						(Millions)					
Australia	25.5	25.8	26.1	26.3	26.6	26.9	27.1	27.4	27.7	27.9	28.2
Brazil	212.6	214.0	215.4	216.6	217.9	219.0	220.1	221.1	222.1	223.0	223.9
Canada	38.0	38.4	38.8	39.2	39.6	40.0	40.4	40.8	41.2	41.6	42.0
China	1,439.3	1,444.2	1,448.5	1,452.1	1,455.3	1,457.9	1,460.1	1,461.8	1,463.1	1,463.9	1,464.3
European Union	512.9	513.3	513.4	513.4	513.4	513.3	513.1	513.0	512.8	512.5	512.2
India	1,380.0	1,393.4	1,406.6	1,419.7	1,432.5	1,445.0	1,457.3	1,469.3	1,481.1	1,492.5	1,503.6
Japan	126.5	126.1	125.6	125.1	124.5	124.0	123.4	122.8	122.1	121.4	120.8
Mexico	128.9	130.3	131.6	132.8	134.1	135.3	136.5	137.6	138.7	139.8	140.9
New Zealand	4.8	4.9	4.9	4.9	5.0	5.0	5.0	5.1	5.1	5.1	5.2
Philippines	109.6	111.0	112.5	114.0	115.4	116.8	118.2	119.6	121.0	122.4	123.7
Russia	145.9	145.9	145.8	145.6	145.4	145.1	144.8	144.5	144.1	143.8	143.3
South Korea	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.2	51.2
Thailand	69.8	70.0	70.1	70.2	70.3	70.3	70.4	70.4	70.4	70.4	70.3
Turkey	84.3	85.0	85.6	86.0	86.3	86.7	87.1	87.6	88.1	88.6	89.2
World	7,742.7	7,820.7	7,897.8	7,974.0	8,049.2	8,123.6	8,197.0	8,269.5	8,340.9	8,411.2	8,480.6

Source: IHS Markit, January 2021

World indicator prices

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
U.S. meat prices[1]					(U.S. dollars per 100kg)						
Boxed beef cutout	310.16	345.95	399.68	420.36	430.53	527.36	523.54	455.65	462.40	471.92	491.32
Pork carcass cutout	128.15	179.13	206.55	186.38	202.14	242.73	174.08	172.75	185.23	167.75	170.06
Broilers, wholesale, national composite	171.08	182.81	174.23	191.76	219.80	231.22	199.56	185.92	206.22	215.61	195.29
World product prices					(Euro per metric ton)						
Soybean meal, Rotterdam[2]	391.00	418.00	461.00	538.00	533.00	403.00	351.00	336.00	382.00	329.00	338.00
					(U.S. dollars per metric ton)						
Soybean oil, Decatur[3]	793.00	1,172.86	1,144.20	1,039.00	843.00	697.00	658.00	718.00	662.00	606.00	654.00
Rapeseed oil, Rotterdam[2]	927.00	1,367.00	1,258.00	1,127.00	954.00	782.00	798.00	871.00	844.00	840.00	879.00
U.S. crop prices[3]					(U.S. dollars per metric ton)						
Wheat, SRW, U.S. Gulf	187.00	282.00	261.00	309.00	268.00	223.00	196.00	170.00	186.00	209.00	221.00
Corn, No. 2 yellow, U.S. Gulf	162.79	277.22	284.29	298.29	203.19	171.22	164.57	155.45	160.23	168.89	157.95
Barley (producer price)	214.03	177.29	245.72	295.33	278.33	243.43	253.53	227.81	205.31	212.19	215.41

Sources:
1 - MU Agricultural Markets and Policy
2 - Center for Economic Development at the University of Nevada
3 - FAPRI-MU

World indicator prices

	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
U.S. meat prices[1]					(U.S. dollars per 100kg)						
Boxed beef cutout	521.44	520.93	538.17	551.43	570.12	587.20	594.96	599.91	595.83	593.98	593.20
Pork carcass cutout	170.77	175.95	190.53	197.73	202.57	204.39	202.63	201.40	200.28	204.58	209.67
Broilers, wholesale, national composite	161.44	183.65	195.15	197.89	201.39	204.40	205.74	207.50	209.80	212.58	215.12
World product prices					(Euro per metric ton)						
Soybean meal, Rotterdam[2]	431.37	392.32	392.29	386.21	379.53	371.68	369.07	373.83	373.35	375.15	375.93
					(U.S. dollars per metric ton)						
Soybean oil, Decatur[3]	834.48	814.72	779.43	751.94	725.24	720.11	715.09	715.64	722.46	726.42	731.73
Rapeseed oil, Rotterdam[2]	1,012.87	991.89	955.57	922.80	898.46	891.98	884.40	885.71	891.78	894.82	895.46
U.S. crop prices[3]					(U.S. dollars per metric ton)						
Wheat, SRW, U.S. Gulf	208.60	214.88	218.53	218.52	217.04	216.16	215.23	214.84	214.92	215.42	216.23
Corn, No. 2 yellow, U.S. Gulf	196.65	188.34	184.35	182.13	179.40	177.18	176.29	176.05	176.53	176.34	176.32
Barley (producer price)	213.06	218.82	219.54	217.32	214.80	212.70	211.49	211.19	210.47	210.30	210.30

Sources:
1 - MU Agricultural Markets and Policy
2 - Center for Economic Development at the University of Nevada
3 - FAPRI-MU

World meat market

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
U.S. indicator prices					(U.S. dollars per metric ton)						
Beef	3,102	3,460	3,997	4,204	4,305	5,274	5,235	4,557	4,624	4,719	4,913
Pork	1,282	1,791	2,066	1,864	2,021	2,427	1,741	1,728	1,852	1,677	1,701
Chicken	1,711	1,828	1,742	1,918	2,198	2,312	1,996	1,859	2,062	2,156	1,953
Sum of production					(Thousand metric tons)						
Beef	33,998	34,641	34,381	34,518	35,055	35,702	35,660	35,366	35,999	36,917	37,666
Pork	82,801	85,722	85,883	89,149	91,173	93,439	92,808	91,851	92,202	92,530	81,441
Chicken	46,106	49,064	51,782	53,277	53,368	55,179	56,916	57,054	57,842	58,773	62,059
Sum of domestic use											
Beef	32,358	32,544	31,961	32,002	32,129	31,968	32,157	32,331	32,861	34,147	35,076
Pork	82,997	85,807	86,063	89,223	91,086	93,259	92,789	91,979	92,280	92,485	81,406
Chicken	44,692	46,997	49,119	50,539	50,699	52,283	53,637	53,731	54,238	55,198	58,488
Sum of beef trade											
Imports	4,252	4,082	3,929	4,042	4,359	4,594	4,637	4,620	4,818	5,398	6,174
Exports	5,511	6,207	6,644	6,656	7,434	8,199	7,702	7,484	7,909	8,236	8,756
Rest of world net imports	1,258	2,125	2,715	2,615	3,075	3,606	3,066	2,864	3,091	2,838	2,582
Sum of pork trade											
Imports	3,889	4,135	4,683	4,745	4,610	4,588	4,930	6,091	5,849	5,746	6,641
Exports	5,236	5,627	6,491	6,707	6,562	6,538	6,769	7,854	7,799	7,925	9,003
Rest of world net imports	1,347	1,492	1,807	1,962	1,952	1,950	1,839	1,763	1,949	2,179	2,363
Sum of chicken trade											
Imports	3,481	3,296	3,270	3,416	3,359	3,431	3,370	3,558	3,455	3,561	3,895
Exports	8,010	8,376	8,942	9,328	9,378	9,556	9,445	9,827	10,062	10,295	10,653
Rest of world net imports	4,529	5,080	5,672	5,913	6,018	6,125	6,075	6,269	6,607	6,734	6,758

World meat market

	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
U.S. indicator prices					(U.S. dollars per metric ton)						
Beef	5,214	5,209	5,382	5,514	5,701	5,872	5,950	5,999	5,958	5,940	5,932
Pork	1,708	1,759	1,905	1,977	2,026	2,044	2,026	2,014	2,003	2,046	2,097
Chicken	1,614	1,837	1,952	1,979	2,014	2,044	2,057	2,075	2,098	2,126	2,151
Sum of production					(Thousand metric tons)						
Beef	36,450	37,210	37,190	37,443	37,943	38,315	38,616	38,882	39,171	39,503	39,844
Pork	76,990	82,701	89,116	93,027	94,183	95,453	96,498	97,329	97,902	98,425	98,936
Chicken	62,595	63,529	63,142	62,588	62,818	63,401	64,103	64,855	65,672	66,546	67,461
Sum of domestic use											
Beef	34,779	35,313	35,261	35,516	35,968	36,285	36,520	36,722	36,984	37,296	37,628
Pork	77,853	83,447	88,917	92,117	93,104	94,239	95,349	96,356	97,188	97,851	98,426
Chicken	59,319	59,937	59,822	59,426	59,700	60,286	60,970	61,677	62,433	63,234	64,073
Sum of beef trade											
Imports	6,782	6,682	6,638	6,708	6,823	6,945	7,086	7,202	7,295	7,364	7,421
Exports	8,246	8,575	8,673	8,783	8,951	9,137	9,344	9,526	9,683	9,815	9,931
Rest of world net imports	1,464	1,894	2,035	2,076	2,128	2,191	2,257	2,324	2,388	2,451	2,510
Sum of pork trade											
Imports	8,904	8,566	7,875	7,373	7,251	7,197	7,221	7,262	7,329	7,342	7,349
Exports	10,931	10,687	10,871	11,061	11,102	11,222	11,258	11,221	11,138	11,104	11,132
Rest of world net imports	2,027	2,121	2,996	3,688	3,851	4,025	4,037	3,958	3,809	3,762	3,783
Sum of chicken trade											
Imports	4,114	4,067	3,875	3,790	3,770	3,752	3,748	3,779	3,829	3,907	4,004
Exports	10,689	11,014	10,643	10,491	10,518	10,579	10,674	10,831	11,020	11,250	11,502
Rest of world net imports	6,575	6,947	6,768	6,702	6,747	6,827	6,926	7,052	7,192	7,343	7,498

Australia

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Animal inventories					(Thousand head)						
Dairy cows	1,676	1,596	1,589	1,700	1,688	1,647	1,689	1,562	1,512	1,525	1,440
Beef cows	12,903	12,945	12,883	13,633	13,430	13,321	12,532	11,452	12,176	11,250	11,000
Cattle	27,906	27,550	28,506	28,418	29,291	29,102	27,413	24,971	26,176	25,734	23,690
Beef					(Thousand metric tons)						
Production	2,106	2,129	2,129	2,152	2,359	2,595	2,547	2,125	2,149	2,306	2,432
Imports	9	11	14	13	11	13	15	15	15	14	15
Exports	1,313	1,313	1,352	1,347	1,519	1,762	1,770	1,412	1,416	1,582	1,738
Domestic use	774	858	795	806	881	881	821	754	748	738	709
Ending stocks	143	112	108	120	90	55	26	0	0	0	0
Consumption per capita					(Kilograms per capita)						
Beef	35.6	38.7	35.3	35.2	37.9	37.3	34.3	31.1	30.4	29.6	28.1

Australia

	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Animal inventories					(Thousand head)						
Dairy cows	1,435	1,445	1,453	1,447	1,426	1,408	1,404	1,410	1,409	1,404	1,395
Beef cows	10,300	10,000	10,568	11,063	11,226	11,263	11,124	10,951	10,799	10,639	10,412
Cattle	23,165	23,005	23,280	23,564	23,962	24,267	24,313	24,217	24,052	23,868	23,651
Beef					(Thousand metric tons)						
Production	2,115	2,059	1,996	1,957	2,054	2,154	2,210	2,225	2,209	2,188	2,175
Imports	14	15	15	15	15	15	15	15	15	15	15
Exports	1,455	1,371	1,314	1,269	1,358	1,455	1,513	1,523	1,502	1,478	1,462
Domestic use	674	703	697	703	711	713	713	717	721	725	728
Ending stocks	0	0	0	0	0	0	0	0	0	0	0
Consumption per capita					(Kilograms per capita)						
Beef	26.4	27.3	26.7	26.7	26.7	26.5	26.3	26.2	26.1	26.0	25.8

Brazil

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Animal inventories					(Thousand head)						
Dairy cows	15,844	15,952	16,154	16,455	16,599	16,825	17,426	17,430	16,262	16,300	16,500
Beef cows	50,271	51,845	52,263	52,669	52,986	53,660	54,210	55,025	55,850	58,080	57,200
Cattle	185,159	190,925	197,550	203,273	207,959	213,035	219,180	226,045	232,350	238,158	244,144
Sows	2,960	2,890	2,925	2,920	2,910	2,920	2,930	2,940	2,945	2,950	2,975
Hogs	35,122	36,652	38,336	38,577	38,844	39,395	39,422	39,215	38,829	38,427	37,850
Beef					(Thousand metric tons)						
Production	8,935	9,115	9,030	9,307	9,675	9,723	9,425	9,284	9,550	9,900	10,200
Imports	32	33	36	58	56	78	58	63	54	46	43
Exports	1,557	1,518	1,305	1,483	1,798	1,850	1,659	1,652	1,803	2,021	2,314
Domestic use	7,410	7,630	7,761	7,882	7,933	7,951	7,824	7,695	7,801	7,925	7,929
Ending stocks	0	0	0	0	0	0	0	0	0	0	0
Pork											
Production	3,130	3,195	3,227	3,330	3,335	3,400	3,519	3,700	3,725	3,763	3,975
Imports	0	1	1	1	1	2	1	2	2	2	2
Exports	679	598	566	636	569	548	618	820	776	722	861
Domestic use	2,451	2,598	2,662	2,695	2,767	2,854	2,902	2,882	2,951	3,043	3,116
Ending stocks	0	0	0	0	0	0	0	0	0	0	0
Chicken											
Production	10,980	12,230	13,060	12,650	12,310	12,946	13,547	13,523	13,612	13,355	13,690
Imports	1	1	2	2	3	3	4	3	3	3	5
Exports	3,222	3,272	3,443	3,508	3,482	3,558	3,829	3,880	3,835	3,675	3,811
Domestic use	7,759	8,959	9,619	9,144	8,831	9,391	9,722	9,646	9,780	9,683	9,884
Ending stocks	0	0	0	0	0	0	0	0	0	0	0
Consumption per capita					(Kilograms per capita)						
Beef	38.2	39.0	39.3	39.6	39.5	39.2	38.3	37.3	37.5	37.8	37.6
Pork	12.6	13.3	13.5	13.5	13.8	14.1	14.2	14.0	14.2	14.5	14.8
Chicken	40.0	45.8	48.7	45.9	43.9	46.3	47.5	46.8	47.1	46.2	46.8
Total	90.9	98.0	101.5	99.0	97.2	99.6	100.0	98.1	98.8	98.6	99.2

Brazil

	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Animal inventories					(Thousand head)						
Dairy cows	16,200	16,400	16,851	16,896	16,888	16,976	17,140	17,303	17,435	17,559	17,689
Beef cows	58,100	58,975	58,518	58,961	60,235	61,467	62,454	63,163	63,634	63,917	64,126
Cattle	252,250	260,400	258,161	260,330	266,571	272,605	277,439	280,909	283,216	284,606	285,628
Sows	3,005	3,011	2,957	2,924	2,942	2,988	3,039	3,065	3,075	3,073	3,092
Hogs	37,350	36,481	36,039	35,841	36,095	36,591	37,098	37,378	37,502	37,557	37,820
Beef					(Thousand metric tons)						
Production	10,100	10,477	10,490	10,675	10,697	10,790	10,987	11,202	11,399	11,568	11,706
Imports	50	45	46	46	47	47	48	48	49	49	50
Exports	2,539	2,688	2,711	2,789	2,688	2,666	2,756	2,888	3,018	3,125	3,210
Domestic use	7,611	7,834	7,825	7,932	8,056	8,171	8,279	8,362	8,430	8,492	8,545
Ending stocks	0	0	0	0	0	0	0	0	0	0	0
Pork											
Production	4,125	4,251	4,189	4,169	4,217	4,299	4,379	4,425	4,447	4,463	4,511
Imports	2	5	5	5	5	5	5	5	5	5	5
Exports	1,178	1,223	1,088	1,090	1,144	1,199	1,197	1,165	1,110	1,110	1,154
Domestic use	2,949	3,033	3,106	3,084	3,078	3,105	3,187	3,265	3,342	3,357	3,362
Ending stocks	0	0	0	0	0	0	0	0	0	0	0
Chicken											
Production	13,880	14,133	13,921	13,751	13,724	13,797	13,956	14,234	14,587	15,041	15,572
Imports	5	5	5	5	5	5	5	5	5	5	5
Exports	3,760	3,931	3,345	2,989	2,819	2,744	2,762	2,896	3,099	3,381	3,724
Domestic use	10,125	10,207	10,581	10,766	10,911	11,059	11,199	11,343	11,493	11,665	11,853
Ending stocks	0	0	0	0	0	0	0	0	0	0	0
Consumption per capita					(Kilograms per capita)						
Beef	35.8	36.6	36.3	36.6	37.0	37.3	37.6	37.8	38.0	38.1	38.2
Pork	13.9	14.2	14.4	14.2	14.1	14.2	14.5	14.8	15.0	15.1	15.0
Chicken	47.6	47.7	49.1	49.7	50.1	50.5	50.9	51.3	51.7	52.3	52.9
Total	97.3	98.5	99.9	100.5	101.2	102.0	103.0	103.9	104.7	105.4	106.1

Canada

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Animal inventories					(Thousand head)						
Dairy cows	979	981	983	960	961	955	954	945	945	970	968
Beef cows	4,521	4,226	4,046	3,962	3,911	3,828	3,710	3,675	3,680	3,674	3,686
Cattle	12,670	12,155	12,230	12,240	12,050	11,640	11,610	11,535	11,565	11,480	11,240
Sows	1,316	1,227	1,193	1,208	1,175	1,179	1,185	1,215	1,236	1,240	1,235
Hogs	12,465	12,615	12,770	12,745	12,835	13,180	13,630	13,935	14,170	13,980	13,930
Beef					(Thousand metric tons)						
Production	1,239	1,276	1,141	1,060	1,056	1,100	1,047	1,130	1,201	1,265	1,342
Imports	237	233	270	288	282	274	270	245	229	236	204
Exports	454	493	403	316	314	360	379	418	444	478	525
Domestic use	1,019	1,023	1,007	1,035	1,025	1,004	934	963	988	1,014	1,030
Ending stocks	37	30	31	28	27	37	41	35	33	42	33
Pork											
Production	1,794	1,783	1,817	1,844	1,823	1,806	1,899	1,914	1,958	1,955	2,000
Imports	177	181	201	236	217	211	212	211	218	228	242
Exports	1,073	1,109	1,151	1,195	1,194	1,168	1,182	1,266	1,290	1,277	1,284
Domestic use	905	861	850	883	839	837	937	865	873	913	947
Ending stocks	45	39	56	58	65	77	69	63	76	69	80
Chicken											
Production	1,051	1,057	1,064	1,081	1,099	1,137	1,179	1,236	1,236	1,300	1,328
Imports	171	173	179	197	201	200	210	189	174	170	172
Exports	147	147	143	141	150	137	133	134	134	124	124
Domestic use	1,077	1,084	1,104	1,134	1,147	1,204	1,247	1,292	1,273	1,338	1,372
Ending stocks	38	37	33	36	39	35	44	43	46	54	58
Consumption per capita					(Kilograms per capita)						
Beef	30.3	30.1	29.4	29.9	29.3	28.4	26.2	26.7	27.1	27.4	27.4
Pork	26.9	25.4	24.8	25.5	23.9	23.6	26.3	24.0	23.9	24.7	25.2
Chicken	32.1	31.9	32.2	32.7	32.7	34.0	35.0	35.8	34.9	36.2	36.6
Total	89.4	87.4	86.3	88.0	85.9	86.0	87.4	86.5	85.9	88.2	89.2

Canada

	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Animal inventories					(Thousand head)						
Dairy cows	967	967	964	956	949	943	938	933	928	924	920
Beef cows	3,544	3,600	3,621	3,619	3,611	3,612	3,623	3,644	3,670	3,692	3,709
Cattle	11,165	11,050	11,058	11,069	11,069	11,074	11,089	11,114	11,146	11,176	11,201
Sows	1,227	1,230	1,260	1,299	1,331	1,352	1,363	1,358	1,340	1,320	1,308
Hogs	13,715	13,542	13,831	14,202	14,494	14,692	14,792	14,740	14,568	14,387	14,283
Beef					(Thousand metric tons)						
Production	1,305	1,316	1,287	1,313	1,330	1,338	1,344	1,350	1,359	1,372	1,385
Imports	260	230	229	228	227	226	225	224	223	222	221
Exports	495	515	472	493	510	521	526	530	534	542	549
Domestic use	1,063	1,036	1,043	1,048	1,046	1,043	1,042	1,043	1,047	1,051	1,057
Ending stocks	40	35	36	36	37	37	38	38	39	39	40
Pork											
Production	2,085	2,091	2,152	2,225	2,282	2,321	2,339	2,327	2,293	2,260	2,241
Imports	280	270	275	280	285	290	295	300	305	310	315
Exports	1,525	1,472	1,542	1,618	1,676	1,713	1,728	1,713	1,679	1,650	1,637
Domestic use	860	884	883	885	890	896	904	912	917	917	917
Ending stocks	60	65	67	69	71	73	75	77	79	81	83
Chicken											
Production	1,290	1,316	1,348	1,377	1,405	1,432	1,453	1,470	1,488	1,507	1,527
Imports	187	190	193	196	199	202	205	208	211	214	217
Exports	127	127	128	129	130	131	132	133	134	135	136
Domestic use	1,353	1,374	1,412	1,443	1,473	1,502	1,525	1,544	1,564	1,585	1,607
Ending stocks	55	60	61	62	63	64	65	66	67	68	69
Consumption per capita					(Kilograms per capita)						
Beef	28.0	27.0	26.9	26.7	26.4	26.1	25.8	25.5	25.4	25.2	25.1
Pork	22.6	23.1	22.8	22.6	22.4	22.4	22.3	22.3	22.2	22.0	21.8
Chicken	35.6	35.8	36.4	36.8	37.2	37.5	37.7	37.8	37.9	38.1	38.2
Total	86.3	85.9	86.1	86.1	86.0	85.9	85.8	85.7	85.6	85.3	85.2

China

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Animal inventories					(Thousand head)						
Dairy cows	7,115	7,320	7,620	8,000	8,350	8,400	8,400	8,000	7,000	6,200	6,100
Beef cows	52,500	51,000	46,480	51,000	52,500	54,000	53,000	53,000	53,000	52,000	52,500
Cattle	100,359	98,200	93,840	91,373	89,858	90,073	90,558	88,345	90,388	89,153	91,380
Sows	48,788	49,100	47,500	49,280	50,432	50,000	47,000	45,100	44,950	43,610	37,000
Hogs	471,772	467,652	470,748	480,302	478,931	471,602	458,029	442,092	441,589	428,070	310,410
Beef					(Thousand metric tons)						
Production	6,262	6,291	6,107	6,147	6,131	6,157	6,169	6,169	6,346	6,440	6,670
Imports	22	38	27	92	378	370	613	761	902	1,369	2,177
Exports	43	55	61	49	36	36	28	27	22	21	21
Domestic use	6,241	6,274	6,073	6,190	6,473	6,491	6,754	6,873	7,236	7,808	8,826
Ending stocks	0	0	0	0	0	0	0	30	20	0	0
Pork											
Production	49,328	51,384	51,316	54,435	56,183	58,208	56,454	54,255	54,518	54,040	42,550
Imports	266	406	710	683	728	720	955	2,021	1,501	1,457	2,451
Exports	229	275	241	233	243	276	229	190	207	202	135
Domestic use	49,365	51,515	51,785	54,885	56,668	58,652	57,180	56,086	55,812	55,295	44,866
Ending stocks	0	0	0	0	0	0	0	0	0	0	0
Chicken											
Production	12,245	12,701	13,358	13,864	13,510	13,156	13,561	12,448	11,600	11,700	13,750
Imports	401	286	238	254	244	260	268	430	311	342	580
Exports	291	379	422	411	420	430	401	386	436	447	428
Domestic use	12,355	12,608	13,174	13,707	13,334	12,986	13,428	12,492	11,475	11,595	13,902
Ending stocks	0	0	0	0	0	0	0	0	0	0	0
Consumption per capita					(Kilograms per capita)						
Beef	4.6	4.6	4.4	4.5	4.7	4.6	4.8	4.9	5.1	5.5	6.2
Pork	36.3	37.6	37.6	39.7	40.7	41.9	40.6	39.7	39.3	38.7	31.3
Chicken	9.1	9.2	9.6	9.9	9.6	9.3	9.5	8.8	8.1	8.1	9.7
Total	49.9	51.4	51.6	54.0	54.9	55.8	55.0	53.4	52.4	52.3	47.1

China

	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Animal inventories						(Thousand head)					
Dairy cows	6,150	6,200	6,263	6,279	6,271	6,260	6,252	6,235	6,208	6,170	6,128
Beef cows	53,000	53,500	54,252	54,041	52,820	51,505	50,736	50,750	51,391	52,507	53,852
Cattle	95,700	98,997	99,914	99,677	98,156	96,746	96,026	96,114	96,703	97,614	98,650
Sows	27,000	34,251	40,415	43,661	44,322	45,139	45,792	46,409	46,868	47,306	47,706
Hogs	340,000	405,019	418,505	436,836	439,852	444,245	447,006	449,248	449,930	450,872	451,582
Beef						(Thousand metric tons)					
Production	6,550	6,686	6,593	6,609	6,776	6,842	6,828	6,791	6,808	6,895	7,031
Imports	2,725	2,796	2,850	2,902	2,983	3,063	3,154	3,234	3,306	3,360	3,402
Exports	17	20	20	20	21	21	21	21	21	22	22
Domestic use	9,258	9,462	9,423	9,490	9,738	9,884	9,961	10,004	10,092	10,233	10,411
Ending stocks	0	0	0	0	0	0	0	0	0	0	0
Pork											
Production	38,000	43,504	49,340	52,921	53,905	55,015	55,954	56,823	57,531	58,210	58,828
Imports	5,150	4,622	3,865	3,356	3,226	3,154	3,124	3,096	3,088	3,064	3,038
Exports	100	124	168	196	199	199	196	195	193	193	194
Domestic use	43,050	48,002	53,037	56,080	56,932	57,970	58,882	59,725	60,426	61,081	61,673
Ending stocks	0	0	0	0	0	0	0	0	0	0	0
Chicken											
Production	14,600	14,911	14,232	13,326	13,017	12,965	13,051	13,216	13,420	13,642	13,875
Imports	1,000	919	738	604	558	527	501	477	460	447	438
Exports	400	429	454	492	462	436	419	412	406	403	401
Domestic use	15,200	15,400	14,517	13,437	13,114	13,055	13,133	13,282	13,474	13,686	13,912
Ending stocks	0	0	0	0	0	0	0	0	0	0	0
Consumption per capita						(Kilograms per capita)					
Beef	6.4	6.6	6.5	6.5	6.7	6.8	6.8	6.8	6.9	7.0	7.1
Pork	29.9	33.2	36.6	38.6	39.1	39.8	40.3	40.9	41.3	41.7	42.1
Chicken	10.6	10.7	10.0	9.3	9.0	9.0	9.0	9.1	9.2	9.3	9.5
Total	46.9	50.5	53.1	54.4	54.8	55.5	56.1	56.8	57.4	58.1	58.7

European Union

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Animal inventories					(Thousand head)						
Dairy cows	24,192	23,566	23,122	23,053	23,193	23,468	23,559	23,548	23,525	23,311	22,908
Beef cows	12,406	12,413	12,380	12,190	12,034	11,934	12,037	12,312	12,342	12,307	12,222
Cattle	89,829	87,831	87,054	87,106	87,619	88,406	89,152	89,152	88,819	87,450	86,597
Sows	14,051	14,005	13,682	13,253	12,737	12,511	12,542	12,293	12,022	12,164	11,784
Hogs	152,780	152,361	149,809	146,982	146,172	148,341	148,716	147,188	150,257	148,167	147,848
Beef					(Thousand metric tons)						
Production	7,923	8,101	8,114	7,708	7,388	7,443	7,684	7,880	7,869	8,003	7,878
Imports	490	428	357	340	367	363	354	359	329	363	341
Exports	125	292	370	250	210	262	257	299	314	295	330
Domestic use	8,288	8,237	8,101	7,798	7,545	7,544	7,781	7,940	7,884	8,071	7,889
Ending stocks	0	0	0	0	0	0	0	0	0	0	0
Pork											
Production	22,010	22,627	22,953	22,526	22,359	22,540	23,249	23,866	23,660	24,082	23,956
Imports	47	29	19	20	15	14	11	12	13	14	16
Exports	1,316	1,651	2,089	2,103	2,177	2,113	2,328	3,034	2,764	2,838	3,548
Domestic use	20,741	21,005	20,883	20,443	20,197	20,441	20,932	20,844	20,909	21,258	20,424
Ending stocks	0	0	0	0	0	0	0	0	0	0	0
Chicken											
Production	8,756	9,202	9,490	9,660	10,050	10,450	10,890	11,560	11,912	12,260	12,560
Imports	726	687	734	727	671	712	730	763	692	704	724
Exports	765	935	1,045	1,095	1,083	1,136	1,186	1,315	1,319	1,421	1,541
Domestic use	8,717	8,954	9,179	9,292	9,638	10,026	10,434	11,008	11,285	11,543	11,743
Ending stocks	0	0	0	0	0	0	0	0	0	0	0
Consumption per capita					(Kilograms per capita)						
Beef	16.5	16.4	16.1	15.4	14.9	14.9	15.3	15.6	15.4	15.8	15.4
Pork	41.4	41.8	41.4	40.5	39.9	40.3	41.2	40.9	41.0	41.6	39.9
Chicken	17.4	17.8	18.2	18.4	19.0	19.8	20.5	21.6	22.1	22.6	22.9
Total	75.3	76.0	75.7	74.3	73.8	74.9	77.0	78.1	78.5	79.9	78.2

European Union

	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Animal inventories					(Thousand head)						
Dairy cows	22,627	22,550	22,473	22,290	22,056	21,921	21,880	21,859	21,823	21,803	21,800
Beef cows	12,211	12,110	12,017	11,937	11,859	11,788	11,719	11,651	11,579	11,503	11,425
Cattle	85,720	84,916	84,365	83,777	83,221	82,657	82,034	81,518	81,081	80,655	80,201
Sows	11,815	11,651	11,794	11,806	11,714	11,572	11,443	11,299	11,138	10,971	10,803
Hogs	147,500	147,514	149,759	150,173	149,369	148,209	147,028	145,588	143,952	142,245	140,551
Beef					(Thousand metric tons)						
Production	7,800	7,734	7,696	7,645	7,597	7,543	7,478	7,432	7,400	7,374	7,344
Imports	305	321	311	312	313	315	318	318	317	316	314
Exports	350	366	382	380	378	375	371	371	372	374	376
Domestic use	7,755	7,690	7,625	7,577	7,532	7,484	7,425	7,379	7,345	7,315	7,282
Ending stocks	0	0	0	0	0	0	0	0	0	0	0
Pork											
Production	24,000	24,044	24,461	24,557	24,461	24,335	24,187	23,990	23,761	23,522	23,285
Imports	18	20	20	19	19	18	18	17	17	16	16
Exports	4,350	4,079	4,338	4,427	4,347	4,325	4,263	4,168	4,058	3,954	3,858
Domestic use	19,668	19,985	20,142	20,149	20,133	20,028	19,942	19,839	19,720	19,584	19,443
Ending stocks	0	0	0	0	0	0	0	0	0	0	0
Chicken											
Production	12,200	12,101	12,133	12,204	12,332	12,487	12,601	12,654	12,681	12,677	12,654
Imports	620	675	685	695	706	716	727	738	749	760	772
Exports	1,450	1,427	1,385	1,392	1,474	1,536	1,559	1,536	1,495	1,418	1,314
Domestic use	11,370	11,349	11,434	11,508	11,563	11,668	11,769	11,856	11,935	12,020	12,112
Ending stocks	0	0	0	0	0	0	0	0	0	0	0
Consumption per capita					(Kilograms per capita)						
Beef	15.1	15.0	14.9	14.8	14.7	14.6	14.5	14.4	14.3	14.3	14.2
Pork	38.3	38.9	39.2	39.2	39.2	39.0	38.9	38.7	38.5	38.2	38.0
Chicken	22.2	22.1	22.3	22.4	22.5	22.7	22.9	23.1	23.3	23.5	23.6
Total	75.6	76.0	76.3	76.4	76.4	76.3	76.3	76.2	76.1	75.9	75.8

India

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Animal inventories					(Thousand head)						
Dairy cows	42,600	43,600	44,900	46,400	48,250	50,500	52,500	53,500	54,000	52,482	54,600
Cattle	304,500	302,500	300,000	299,600	300,200	300,600	301,000	301,400	301,900	302,700	303,100
Beef					(Thousand metric tons)						
Production	2,950	3,125	3,308	3,491	3,800	4,000	4,080	4,170	4,230	4,240	4,270
Imports	0	0	0	0	0	0	0	0	0	0	0
Exports	586	882	1,260	1,409	1,713	2,022	1,754	1,709	1,786	1,511	1,494
Domestic use	2,364	2,243	2,048	2,082	2,087	1,978	2,326	2,461	2,444	2,729	2,776
Ending stocks	0	0	0	0	0	0	0	0	0	0	0
Chicken											
Production	2,550	2,650	2,900	3,160	3,450	3,725	3,264	3,464	3,762	4,062	4,350
Imports	0	0	0	0	0	0	0	0	0	0	0
Exports	1	2	7	4	4	6	7	3	2	3	3
Domestic use	2,549	2,648	2,893	3,156	3,446	3,719	3,257	3,461	3,760	4,059	4,347
Ending stocks	0	0	0	0	0	0	0	0	0	0	0
Consumption per capita					(Kilograms per capita)						
Beef	1.9	1.8	1.6	1.6	1.6	1.5	1.8	1.9	1.8	2.0	2.0
Chicken	2.1	2.1	2.3	2.5	2.7	2.9	2.5	2.6	2.8	3.0	3.2
Total	4.0	4.0	4.0	4.1	4.3	4.4	4.3	4.5	4.6	5.0	5.2

India

	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Animal inventories					(Thousand head)						
Dairy cows	56,450	58,000	60,593	62,670	64,543	66,370	68,190	70,007	71,839	73,713	75,652
Cattle	305,400	306,390	306,973	307,380	308,166	308,742	309,228	309,675	310,105	310,525	310,944
Beef					(Thousand metric tons)						
Production	3,650	3,949	4,056	4,131	4,276	4,383	4,473	4,555	4,634	4,712	4,789
Imports	0	0	0	0	0	0	0	0	0	0	0
Exports	1,050	1,198	1,252	1,261	1,337	1,374	1,393	1,404	1,411	1,417	1,424
Domestic use	2,600	2,750	2,804	2,870	2,939	3,009	3,080	3,151	3,224	3,295	3,365
Ending stocks	0	0	0	0	0	0	0	0	0	0	0
Chicken											
Production	4,000	4,204	4,323	4,442	4,556	4,668	4,777	4,879	4,989	5,091	5,185
Imports	0	0	0	0	0	0	0	0	0	0	0
Exports	1	1	1	1	1	1	1	1	1	1	1
Domestic use	3,999	4,203	4,322	4,441	4,555	4,667	4,776	4,878	4,988	5,090	5,184
Ending stocks	0	0	0	0	0	0	0	0	0	0	0
Consumption per capita					(Kilograms per capita)						
Beef	1.9	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.2	2.2	2.2
Chicken	2.9	3.0	3.1	3.1	3.2	3.2	3.3	3.3	3.4	3.4	3.4
Total	4.8	5.0	5.1	5.1	5.2	5.3	5.4	5.5	5.5	5.6	5.7

Japan

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Animal inventories					(Thousand head)						
Dairy cows	848	830	805	813	798	773	750	752	735	731	730
Beef cows	681	588	575	560	541	520	505	511	511	517	528
Cattle	4,376	4,230	4,172	4,065	3,962	3,860	3,824	3,822	3,842	3,835	3,907
Sows	937	930	902	900	900	885	855	845	839	824	853
Hogs	10,000	9,768	9,735	9,685	9,537	9,440	9,313	9,346	9,280	9,156	9,090
Beef					(Thousand metric tons)						
Production	518	515	500	519	508	502	481	465	469	475	471
Imports	677	700	724	716	738	718	687	698	793	840	853
Exports	1	1	1	1	1	2	2	3	4	5	6
Domestic use	1,189	1,205	1,216	1,234	1,211	1,204	1,166	1,193	1,254	1,298	1,319
Ending stocks	116	125	132	132	166	180	180	147	151	163	162
Pork											
Production	1,310	1,292	1,267	1,297	1,309	1,264	1,254	1,279	1,272	1,284	1,279
Imports	1,137	1,198	1,253	1,258	1,222	1,331	1,268	1,360	1,473	1,480	1,493
Exports	1	1	1	1	2	2	2	3	5	4	3
Domestic use	2,466	2,488	2,521	2,556	2,548	2,542	2,566	2,625	2,729	2,774	2,714
Ending stocks	217	218	216	214	195	246	200	211	222	208	263
Chicken											
Production	1,515	1,514	1,472	1,556	1,559	1,596	1,599	1,629	1,661	1,685	1,723
Imports	645	789	895	877	854	888	936	973	1,056	1,074	1,076
Exports	6	8	3	5	5	7	6	6	7	7	7
Domestic use	2,214	2,302	2,326	2,446	2,435	2,461	2,510	2,587	2,688	2,761	2,789
Ending stocks	116	109	147	129	102	118	137	146	168	159	162
Consumption per capita					(Kilograms per capita)						
Beef	9.2	9.4	9.5	9.6	9.4	9.4	9.1	9.3	9.8	10.2	10.4
Pork	19.2	19.4	19.6	19.9	19.9	19.8	20.0	20.5	21.4	21.8	21.4
Chicken	17.2	17.9	18.1	19.0	19.0	19.2	19.6	20.2	21.1	21.7	22.0
Total	45.7	46.6	47.2	48.6	48.3	48.4	48.8	50.1	52.3	53.7	53.8

Japan

	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Animal inventories					(Thousand head)						
Dairy cows	716	730	737	742	747	752	757	760	761	759	757
Beef cows	559	555	570	575	580	584	584	581	575	567	558
Cattle	3,910	3,903	3,976	4,000	4,032	4,051	4,055	4,046	4,022	3,986	3,939
Sows	845	855	857	862	866	870	871	871	870	867	865
Hogs	9,088	9,128	9,155	9,205	9,249	9,281	9,299	9,299	9,285	9,263	9,242
Beef					(Thousand metric tons)						
Production	475	475	481	483	490	492	493	495	495	493	489
Imports	840	836	813	828	840	852	862	870	880	890	901
Exports	7	7	7	8	8	8	8	9	9	9	9
Domestic use	1,308	1,305	1,285	1,302	1,320	1,334	1,346	1,355	1,364	1,372	1,379
Ending stocks	162	161	163	164	166	167	169	170	172	173	175
Pork											
Production	1,295	1,300	1,307	1,318	1,327	1,334	1,338	1,338	1,336	1,333	1,330
Imports	1,400	1,427	1,448	1,440	1,436	1,437	1,444	1,456	1,468	1,478	1,488
Exports	3	3	3	3	3	4	4	4	4	4	4
Domestic use	2,685	2,722	2,749	2,752	2,757	2,764	2,775	2,787	2,797	2,804	2,811
Ending stocks	270	272	275	278	281	284	287	290	293	296	299
Chicken											
Production	1,770	1,771	1,800	1,823	1,843	1,859	1,870	1,877	1,881	1,885	1,888
Imports	1,015	1,046	1,032	1,052	1,067	1,078	1,090	1,103	1,117	1,131	1,145
Exports	8	8	8	8	9	9	9	9	9	10	10
Domestic use	2,809	2,807	2,822	2,865	2,899	2,926	2,949	2,969	2,987	3,005	3,022
Ending stocks	130	132	134	136	138	140	142	144	146	148	150
Consumption per capita					(Kilograms per capita)						
Beef	10.3	10.4	10.2	10.4	10.6	10.8	10.9	11.0	11.2	11.3	11.4
Pork	21.2	21.6	21.9	22.0	22.1	22.3	22.5	22.7	22.9	23.1	23.3
Chicken	22.2	22.3	22.5	22.9	23.3	23.6	23.9	24.2	24.5	24.7	25.0
Total	53.8	54.2	54.6	55.3	56.0	56.7	57.3	57.9	58.5	59.1	59.7

South Korea

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Animal inventories					(Thousand head)						
Dairy cows	208	204	191	209	206	208	197	194	198	205	204
Beef cows	1,023	1,085	1,147	1,249	1,232	1,166	1,393	1,339	1,355	1,380	1,434
Cattle	3,079	3,278	3,354	3,479	3,342	3,472	3,337	3,381	3,429	3,521	3,645
Sows	913	966	920	903	962	895	937	958	1,030	1,058	1,063
Hogs	8,721	8,449	8,171	9,916	9,912	10,090	10,187	11,487	11,273	11,333	11,280
Beef					(Thousand metric tons)						
Production	267	247	280	312	344	335	323	277	281	279	286
Imports	273	318	376	320	328	344	364	450	468	515	550
Exports	3	2	2	1	3	2	4	5	0	0	0
Domestic use	505	561	623	633	667	707	720	722	755	790	832
Ending stocks	47	49	80	78	80	50	13	13	7	11	15
Pork											
Production	1,062	1,110	837	1,086	1,252	1,200	1,217	1,266	1,280	1,329	1,364
Imports	390	381	639	501	388	479	599	615	645	753	694
Exports	9	0	0	2	2	2	3	2	2	1	2
Domestic use	1,480	1,538	1,486	1,545	1,628	1,659	1,813	1,894	1,926	2,001	2,011
Ending stocks	107	60	50	90	100	118	118	103	100	180	225
Chicken											
Production	613	653	685	696	710	792	878	899	852	915	952
Imports	71	106	131	130	127	141	119	128	132	163	178
Exports	11	16	15	21	26	19	26	27	6	33	50
Domestic use	679	739	795	803	820	895	963	990	988	1,040	1,070
Ending stocks	5	9	15	17	8	27	35	45	35	40	50
Consumption per capita					(Kilograms per capita)						
Beef	10.2	11.3	12.5	12.6	13.2	14.0	14.2	14.2	14.8	15.4	16.2
Pork	30.0	31.0	29.8	30.9	32.3	32.8	35.7	37.1	37.7	39.1	39.3
Chicken	13.8	14.9	16.0	16.0	16.3	17.7	18.9	19.4	19.3	20.3	20.9
Total	54.0	57.3	58.3	59.5	61.9	64.4	68.8	70.7	71.8	74.9	76.4

South Korea

	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Animal inventories					(Thousand head)						
Dairy cows	203	204	205	206	207	208	210	211	211	210	210
Beef cows	1,491	1,549	1,593	1,629	1,660	1,688	1,708	1,718	1,715	1,701	1,678
Cattle	3,773	3,852	3,942	4,020	4,079	4,133	4,169	4,189	4,188	4,164	4,119
Sows	1,045	1,023	1,019	1,019	1,023	1,030	1,040	1,046	1,046	1,047	1,047
Hogs	11,360	11,251	11,229	11,265	11,360	11,508	11,677	11,763	11,792	11,827	11,817
Beef					(Thousand metric tons)						
Production	290	315	326	335	341	346	349	351	352	351	347
Imports	550	533	495	496	506	518	532	543	555	568	584
Exports	0	0	0	0	0	0	0	0	0	0	0
Domestic use	840	842	820	831	847	864	880	894	906	919	930
Ending stocks	15	20	21	21	22	22	23	23	24	24	25
Pork											
Production	1,400	1,340	1,341	1,347	1,357	1,373	1,388	1,395	1,400	1,404	1,403
Imports	570	641	675	686	692	697	706	722	741	753	770
Exports	1	2	2	2	2	2	2	2	2	2	2
Domestic use	1,942	1,986	2,011	2,028	2,045	2,065	2,089	2,112	2,136	2,153	2,168
Ending stocks	252	245	248	251	254	257	260	263	266	269	272
Chicken											
Production	965	931	950	969	987	1,005	1,020	1,031	1,042	1,050	1,053
Imports	170	178	174	172	170	167	166	168	172	179	191
Exports	55	20	22	24	26	28	30	32	34	36	38
Domestic use	1,070	1,089	1,101	1,115	1,129	1,142	1,154	1,166	1,178	1,191	1,205
Ending stocks	60	60	62	64	66	68	70	72	74	76	78
Consumption per capita					(Kilograms per capita)						
Beef	16.4	16.4	16.0	16.2	16.5	16.8	17.1	17.4	17.7	17.9	18.2
Pork	37.9	38.7	39.2	39.5	39.8	40.2	40.7	41.2	41.7	42.0	42.4
Chicken	20.9	21.2	21.4	21.7	22.0	22.2	22.5	22.7	23.0	23.3	23.5
Total	75.1	76.3	76.6	77.4	78.3	79.3	80.3	81.3	82.3	83.2	84.1

Mexico

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Animal inventories					(Thousand head)						
Dairy cows	6,400	6,480	6,400	6,350	6,300	6,350	6,400	6,450	6,550	6,550	6,500
Beef cows	6,909	6,960	7,000	6,900	6,750	6,700	6,700	6,800	7,300	7,500	7,700
Cattle	22,192	21,456	20,090	18,521	17,760	17,120	16,615	16,490	16,584	16,699	16,900
Sows	1,067	1,090	1,115	1,120	1,155	1,160	1,150	1,170	1,180	1,190	1,230
Hogs	8,979	9,007	9,276	9,510	9,775	9,788	10,043	10,229	10,410	10,700	11,050
Beef					(Thousand metric tons)						
Production	1,705	1,745	1,804	1,821	1,807	1,827	1,850	1,879	1,925	1,980	2,030
Imports	312	287	257	209	225	199	169	181	188	194	189
Exports	45	93	135	182	147	171	200	227	245	272	315
Domestic use	1,972	1,939	1,926	1,848	1,885	1,855	1,819	1,833	1,868	1,902	1,904
Ending stocks	0	0	0	0	0	0	0	0	0	0	0
Pork											
Production	1,023	1,034	1,058	1,090	1,130	1,135	1,164	1,211	1,267	1,321	1,408
Imports	565	573	494	588	652	680	813	843	885	972	985
Exports	70	77	85	95	111	117	128	141	169	177	234
Domestic use	1,518	1,530	1,467	1,583	1,671	1,698	1,849	1,913	1,983	2,116	2,159
Ending stocks	0	0	0	0	0	0	0	0	0	0	0
Chicken											
Production	2,781	2,822	2,906	2,958	2,907	3,025	3,175	3,275	3,400	3,485	3,600
Imports	492	549	578	616	682	722	790	791	804	820	875
Exports	7	10	10	6	7	9	5	5	6	4	6
Domestic use	3,266	3,361	3,474	3,568	3,582	3,738	3,960	4,061	4,198	4,301	4,469
Ending stocks	0	0	0	0	0	0	0	0	0	0	0
Consumption per capita					(Kilograms per capita)						
Beef	17.5	17.0	16.6	15.8	15.9	15.4	14.9	14.9	15.0	15.1	14.9
Pork	13.5	13.4	12.7	13.5	14.1	14.1	15.2	15.5	15.9	16.8	16.9
Chicken	29.0	29.5	30.0	30.4	30.1	31.1	32.5	32.9	33.6	34.1	35.0
Total	60.1	59.9	59.4	59.7	60.1	60.6	62.6	63.3	64.5	65.9	66.9

Mexico

	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Animal inventories					(Thousand head)						
Dairy cows	6,550	6,600	6,624	6,615	6,602	6,608	6,629	6,647	6,650	6,646	6,640
Beef cows	7,900	7,951	8,290	8,447	8,499	8,541	8,581	8,617	8,629	8,588	8,485
Cattle	17,000	17,128	17,748	18,034	18,129	18,205	18,278	18,343	18,366	18,291	18,103
Sows	1,245	1,255	1,240	1,241	1,252	1,269	1,289	1,306	1,320	1,333	1,348
Hogs	11,500	11,771	11,709	11,803	11,989	12,228	12,473	12,684	12,868	13,057	13,282
Beef					(Thousand metric tons)						
Production	2,090	2,131	2,184	2,215	2,288	2,329	2,348	2,365	2,382	2,399	2,411
Imports	135	130	129	127	126	125	124	122	121	120	119
Exports	355	360	367	375	442	481	490	490	479	462	441
Domestic use	1,870	1,901	1,946	1,968	1,973	1,973	1,981	1,997	2,024	2,057	2,089
Ending stocks	0	0	0	0	0	0	0	0	0	0	0
Pork											
Production	1,450	1,495	1,492	1,504	1,527	1,556	1,585	1,609	1,631	1,654	1,682
Imports	910	943	965	978	993	1,015	1,055	1,095	1,132	1,143	1,144
Exports	345	360	365	370	375	380	385	390	395	400	405
Domestic use	2,015	2,078	2,092	2,112	2,145	2,191	2,255	2,314	2,368	2,397	2,421
Ending stocks	0	0	0	0	0	0	0	0	0	0	0
Chicken											
Production	3,725	3,823	3,843	3,893	3,959	4,031	4,090	4,118	4,134	4,140	4,138
Imports	830	779	780	804	810	806	808	838	879	940	1,011
Exports	6	6	6	7	7	7	7	8	8	8	8
Domestic use	4,549	4,596	4,616	4,690	4,761	4,831	4,891	4,949	5,005	5,071	5,141
Ending stocks	0	0	0	0	0	0	0	0	0	0	0
Consumption per capita					(Kilograms per capita)						
Beef	14.5	14.6	14.8	14.8	14.7	14.6	14.5	14.5	14.6	14.7	14.8
Pork	15.6	16.0	15.9	15.9	16.0	16.2	16.5	16.8	17.1	17.1	17.2
Chicken	35.3	35.3	35.1	35.3	35.5	35.7	35.8	36.0	36.1	36.3	36.5
Total	65.4	65.8	65.8	66.0	66.2	66.5	66.9	67.3	67.7	68.1	68.5

New Zealand

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Animal inventories					(Thousand head)						
Dairy cows	4,597	4,680	4,816	5,010	5,005	5,176	5,056	4,998	4,861	4,993	4,946
Beef cows	1,104	1,096	1,118	1,053	1,060	1,019	1,012	982	954	976	1,029
Cattle	9,917	9,864	10,021	10,180	10,183	10,368	10,033	10,152	10,146	10,107	10,151
Beef					(Thousand metric tons)						
Production	623	642	601	624	620	658	690	648	654	672	713
Imports	11	12	13	11	15	18	17	12	13	12	14
Exports	494	508	483	495	507	552	609	560	564	602	623
Domestic use	140	146	131	140	128	124	98	100	103	82	104
Ending stocks	0	0	0	0	0	0	0	0	0	0	0
Consumption per capita					(Kilograms per capita)						
Beef	32.4	33.4	29.6	31.3	28.3	27.1	21.2	21.5	21.9	17.3	21.7

Philippines

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Pork					(Thousand metric tons)						
Production	1,295	1,310	1,339	1,362	1,388	1,402	1,463	1,540	1,563	1,601	1,585
Imports	109	158	143	137	170	197	173	193	239	283	222
Exports	1	1	1	1	1	1	1	1	1	1	1
Domestic use	1,403	1,467	1,481	1,498	1,557	1,598	1,635	1,732	1,801	1,883	1,806
Ending stocks	0	0	0	0	0	0	0	0	0	0	0
Consumption per capita					(Kilograms per capita)						
Pork	15.2	15.6	15.5	15.4	15.7	15.9	16.0	16.7	17.1	17.7	16.7

New Zealand

	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Animal inventories					(Thousand head)						
Dairy cows	4,815	4,800	4,809	4,810	4,798	4,775	4,784	4,841	4,872	4,881	4,876
Beef cows	1,105	1,065	1,068	1,072	1,083	1,101	1,100	1,076	1,070	1,077	1,089
Cattle	10,062	10,061	10,073	10,065	10,080	10,109	10,135	10,129	10,140	10,169	10,198
Beef					(Thousand metric tons)						
Production	695	683	686	683	685	691	698	701	705	712	719
Imports	12	13	13	14	14	14	14	15	15	15	15
Exports	622	614	620	616	617	623	632	635	639	646	652
Domestic use	85	82	80	80	82	82	80	81	81	81	82
Ending stocks	0	0	0	0	0	0	0	0	0	0	0
Consumption per capita					(Kilograms per capita)						
Beef	17.6	16.8	16.3	16.3	16.4	16.3	15.9	15.9	15.8	15.8	15.8

Philippines

	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Pork					(Thousand metric tons)						
Production	1,115	1,075	1,138	1,204	1,273	1,343	1,410	1,472	1,527	1,578	1,628
Imports	150	202	184	164	144	126	116	111	112	113	113
Exports	1	1	1	1	1	1	1	1	1	1	1
Domestic use	1,264	1,276	1,321	1,367	1,416	1,468	1,526	1,582	1,638	1,689	1,740
Ending stocks	0	0	0	0	0	0	0	0	0	0	0
Consumption per capita					(Kilograms per capita)						
Pork	11.5	11.5	11.7	12.0	12.3	12.6	12.9	13.2	13.5	13.8	14.1

Russia

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Animal inventories						(Thousand head)					
Dairy cows	9,530	8,858	8,650	8,600	8,250	8,050	7,750	7,235	7,080	6,815	6,711
Beef cows	150	171	290	310	390	460	490	548	826	850	1,100
Cattle	20,540	19,794	19,901	19,680	19,273	18,920	18,528	18,248	18,195	18,050	18,024
Sows	2,060	2,130	2,150	2,290	2,325	2,400	2,583	2,750	2,900	3,070	3,290
Hogs	17,288	17,251	17,263	18,785	19,010	19,308	21,239	21,782	22,945	23,600	25,048
Beef						(Thousand metric tons)					
Production	1,470	1,455	1,367	1,377	1,367	1,362	1,364	1,339	1,325	1,357	1,374
Imports	998	980	922	988	939	880	562	470	469	449	401
Exports	12	7	9	11	12	13	12	12	14	16	17
Domestic use	2,456	2,428	2,280	2,354	2,294	2,229	1,914	1,797	1,780	1,790	1,758
Ending stocks	0	0	0	0	0	0	0	0	0	0	0
Pork											
Production	1,849	1,987	2,069	2,179	2,394	2,484	2,589	2,820	2,959	3,155	3,324
Imports	820	818	859	957	818	495	392	339	367	84	107
Exports	1	0	0	1	1	1	6	21	30	37	68
Domestic use	2,668	2,805	2,928	3,135	3,211	2,978	2,975	3,138	3,296	3,202	3,363
Ending stocks	0	0	0	0	0	0	0	0	0	0	0
Chicken											
Production	2,471	2,750	3,069	3,446	3,634	3,958	4,222	4,328	4,680	4,684	4,668
Imports	929	656	463	561	512	444	250	220	225	220	224
Exports	7	7	28	35	52	50	71	104	125	131	172
Domestic use	3,393	3,399	3,457	3,966	4,101	4,337	4,427	4,449	4,785	4,785	4,713
Ending stocks	0	0	47	53	46	61	35	30	25	13	20
Consumption per capita						(Kilograms per capita)					
Beef	17.1	16.9	15.9	16.3	15.9	15.4	13.2	12.4	12.2	12.3	12.1
Pork	18.6	19.5	20.4	21.8	22.2	20.6	20.5	21.6	22.6	22.0	23.1
Chicken	23.7	23.7	24.1	27.5	28.4	30.0	30.5	30.6	32.9	32.8	32.3
Total	59.4	60.2	60.3	65.7	66.6	66.0	64.3	64.6	67.8	67.1	67.4

Russia

	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Animal inventories					(Thousand head)						
Dairy cows	6,580	6,500	6,463	6,368	6,283	6,242	6,229	6,217	6,193	6,166	6,140
Beef cows	1,200	1,220	1,236	1,248	1,259	1,265	1,267	1,266	1,262	1,255	1,246
Cattle	18,000	17,966	18,200	18,273	18,513	18,488	18,497	18,681	18,972	19,254	19,473
Sows	3,400	3,400	3,489	3,581	3,620	3,646	3,668	3,684	3,689	3,694	3,698
Hogs	25,710	25,453	26,084	26,729	27,013	27,210	27,378	27,503	27,553	27,605	27,650
Beef					(Thousand metric tons)						
Production	1,380	1,384	1,395	1,398	1,409	1,408	1,409	1,416	1,428	1,439	1,448
Imports	360	346	340	340	339	344	349	349	346	342	339
Exports	25	22	23	23	24	24	25	25	26	26	27
Domestic use	1,715	1,708	1,712	1,716	1,725	1,728	1,733	1,740	1,748	1,755	1,760
Ending stocks	0	0	0	0	0	0	0	0	0	0	0
Pork											
Production	3,520	3,601	3,698	3,782	3,833	3,877	3,917	3,950	3,976	4,002	4,027
Imports	10	10	10	10	9	9	9	9	9	9	8
Exports	110	130	131	132	134	135	137	139	141	143	144
Domestic use	3,420	3,481	3,577	3,660	3,709	3,751	3,789	3,820	3,844	3,868	3,891
Ending stocks	0	0	0	0	0	0	0	0	0	0	0
Chicken											
Production	4,715	4,725	4,817	4,886	4,946	5,005	5,058	5,097	5,137	5,174	5,211
Imports	220	210	205	200	195	190	185	180	175	170	165
Exports	215	219	234	248	261	275	289	304	319	333	348
Domestic use	4,715	4,716	4,787	4,838	4,881	4,920	4,953	4,974	4,993	5,011	5,028
Ending stocks	25	25	25	25	25	25	25	25	25	25	25
Consumption per capita					(Kilograms per capita)						
Beef	11.8	11.7	11.7	11.8	11.9	11.9	12.0	12.0	12.1	12.2	12.3
Pork	23.4	23.9	24.5	25.1	25.5	25.8	26.2	26.4	26.7	26.9	27.1
Chicken	32.3	32.3	32.8	33.2	33.6	33.9	34.2	34.4	34.6	34.9	35.1
Total	67.5	67.9	69.1	70.1	70.9	71.7	72.3	72.9	73.4	74.0	74.5

Thailand

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Chicken					(Thousand metric tons)						
Production	1,917	2,041	2,165	2,482	2,381	2,499	2,692	2,813	2,990	3,170	3,300
Imports	0	1	1	1	10	8	4	2	1	2	2
Exports	379	432	467	538	504	546	622	690	757	826	881
Domestic use	1,537	1,600	1,679	1,864	1,920	1,979	2,072	2,129	2,226	2,354	2,469
Ending stocks	22	32	52	133	100	82	84	80	88	80	32
Consumption per capita					(Kilograms per capita)						
Chicken	23.0	23.8	24.9	27.5	28.2	28.9	30.2	30.9	32.2	33.9	35.5

Turkey

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Chicken					(Thousand metric tons)						
Production	1,227	1,444	1,613	1,724	1,758	1,895	1,909	1,879	2,137	2,157	2,138
Imports	0	0	0	0	0	0	0	0	0	0	0
Exports	81	101	194	265	313	348	292	263	357	418	408
Domestic use	1,146	1,343	1,419	1,459	1,445	1,547	1,617	1,616	1,780	1,739	1,730
Ending stocks	0	0	0	0	0	0	0	0	0	0	0
Consumption per capita					(Kilograms per capita)						
Chicken	16.1	18.6	19.3	19.5	19.0	20.0	20.6	20.2	21.9	21.1	20.7

Thailand

	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Chicken					(Thousand metric tons)						
Production	3,250	3,359	3,468	3,560	3,637	3,689	3,715	3,723	3,719	3,709	3,693
Imports	1	1	1	1	1	1	1	1	1	1	1
Exports	855	941	1,058	1,098	1,121	1,108	1,071	1,022	962	900	831
Domestic use	2,385	2,419	2,410	2,462	2,515	2,580	2,644	2,701	2,756	2,808	2,862
Ending stocks	43	44	45	47	48	50	51	53	54	56	57
Consumption per capita					(Kilograms per capita)						
Chicken	34.2	34.6	34.4	35.1	35.8	36.7	37.6	38.4	39.2	39.9	40.7

Turkey

	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
Chicken					(Thousand metric tons)						
Production	2,200	2,254	2,306	2,358	2,412	2,464	2,512	2,554	2,594	2,630	2,664
Imports	0	0	0	0	0	0	0	0	0	0	0
Exports	456	478	486	497	512	526	536	537	534	527	515
Domestic use	1,744	1,777	1,820	1,861	1,899	1,937	1,976	2,017	2,060	2,103	2,149
Ending stocks	0	0	0	0	0	0	0	0	0	0	0
Consumption per capita					(Kilograms per capita)						
Chicken	20.7	20.9	21.3	21.6	22.0	22.3	22.7	23.0	23.4	23.7	24.1