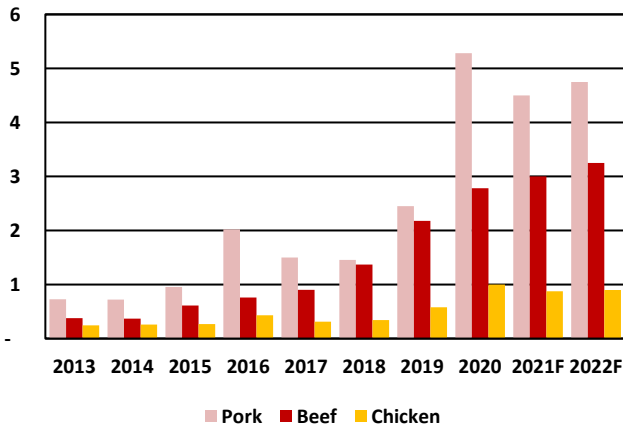




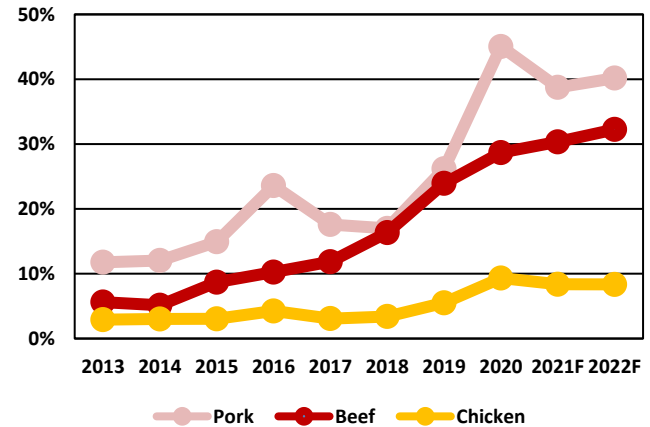
Livestock and Poultry: World Markets and Trade

China Continues to Drive Red Meat Trade

China Meat Imports (MMT CWE)



China Share of Global Meat Imports



China pork production is expected to contract in 2022 as the hog sector adjusts to rapidly changing market conditions. Hog prices have fallen dramatically since the beginning of 2021 and have remained persistently low despite recent national holidays that usually mark an uptick in pork consumption. Market participants that could have easily made money for much of 2020 at exceptionally high prices may find it more difficult going forward, especially as input prices remain high. These dynamics will likely cause pork production to decline and imports to rise in 2022, particularly in the second half of the year. China pork imports are expected to reach nearly 4.8 million tons, up nearly 6 percent year-over-year, after falling in 2021 on rising pork production and depressed prices. However, they will remain below the 2020 record when disease-induced pork supply shortfalls were most acute.

Meanwhile, China beef imports and its share of global trade are expected to grow for the eighth consecutive year in 2022. Beef gained ground as China struggled with tight pork supplies over the past several years. Evolving consumer preferences and an improving foodservice environment will give beef a larger place in the Chinese diet than in the past while muted growth in domestic production will support imports.

China chicken meat imports are forecast to grow 3 percent in 2022 on increased consumer demand and the expectation that imported product will be competitively priced. However, China's share of global trade for chicken meat remains small compared to that of other meats. Global trade in chicken meat will instead be driven by broad recovery from pandemic-related disruptions as improving economic conditions are expected to lead many key players to reenter the global market.

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Beef and Veal

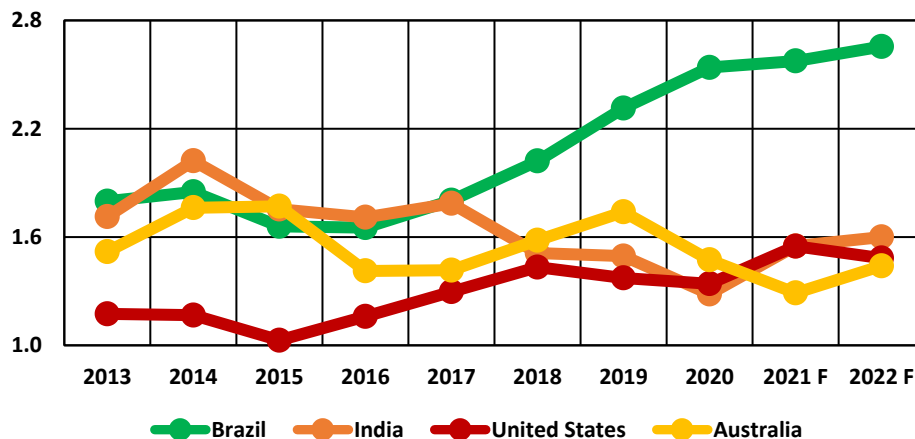
Global production is forecast up nearly 1 percent in 2022 on growth in Australia, Brazil, and India. Australia production is expected to rebound 8 percent as improved pasture conditions have spurred herd rebuilding. Beef production will be driven by higher supplies of slaughter-ready cattle next year and an increase in carcass weights driven by a higher rate of male slaughter. Meanwhile, beef production in Brazil is expected to be supported by greater cattle availability and improved margins for slaughterhouses. In India, carabeef production will continue the recovery that began in 2021 after severe supply chain disruptions caused a sharp drop in production during 2020.

Global exports in 2022 are forecast 2 percent higher due to expectations of continued strong global demand, particularly from Asia. Australia is expected to have higher exports on rebounding production, particularly in the second half of 2022. Meanwhile, Brazil exports are expected to be record large as demand continues to grow in top market China. In contrast, New Zealand exports will be constrained by tighter cattle supplies. Paraguay will likewise see exports contract as harsh weather this year led cattle to be marketed earlier than planned and will reduce availability in 2022. Despite the decline, Paraguay is still expected to achieve its second-highest export total on record.

U.S. production and exports: Production for 2022 is forecast down 3 percent as tighter cattle supplies weigh on slaughter. Tightening U.S. beef supplies are expected to constrain exports, which are forecast 4 percent lower year-over-year. Meanwhile, production recovery in Australia is expected to increase competition in key Asian markets. However, U.S. exports are expected to remain elevated by historical standards, achieving the second-highest total on record.

Top Beef Exporters

MMT CWE



Beef and Veal Production - Top Countries Summary
1,000 Metric Tons (Carcass Weight Equivalent)

	2017	2018	2019	2020	2021	2022 Oct
Production						
Brazil	9,550	9,900	10,200	10,100	9,500	9,700
China	6,346	6,440	6,670	6,720	6,830	7,000
European Union	6,951	7,067	6,964	6,883	6,840	6,830
India	4,230	4,240	4,270	3,760	4,100	4,250
Argentina	2,840	3,050	3,125	3,170	3,045	3,020
Mexico	1,925	1,980	2,027	2,079	2,120	2,190
Australia	2,149	2,309	2,432	2,125	1,915	2,070
Canada	1,201	1,265	1,342	1,314	1,450	1,430
Russia	1,325	1,357	1,374	1,378	1,380	1,370
South Africa	1,046	1,027	1,019	950	985	990
Others	6,798	6,827	6,834	6,792	6,928	6,961
Total Foreign	44,361	45,462	46,257	45,271	45,093	45,811
United States	11,943	12,256	12,385	12,389	12,684	12,306
Total	56,304	57,718	58,642	57,660	57,777	58,117
Total Dom. Consumption						
China	7,237	7,808	8,826	9,486	9,810	10,229
Brazil	7,801	7,925	7,929	7,609	6,997	7,120
European Union	6,582	6,753	6,698	6,521	6,475	6,470
India	2,444	2,729	2,776	2,476	2,550	2,650
Argentina	2,557	2,568	2,379	2,365	2,333	2,348
Mexico	1,868	1,902	1,901	1,898	1,990	2,020
Russia	1,780	1,790	1,758	1,708	1,655	1,620
Japan	1,254	1,298	1,319	1,295	1,285	1,305
United Kingdom	1,256	1,268	1,136	1,168	1,135	1,125
Canada	988	1,014	1,029	1,047	1,078	1,055
Others	8,094	8,212	8,216	7,965	8,071	8,125
Total Foreign	41,861	43,267	43,967	43,538	43,379	44,067
United States	12,052	12,181	12,409	12,531	12,615	12,259
Total	53,913	55,448	56,376	56,069	55,994	56,326

Notes: Includes meat of other bovines for certain countries. India includes carabeef (water buffalo). The notation of a month beneath a year conveys the month in which the forecast for that year was released.

Beef and Veal Trade - Top Countries Summary
1,000 Metric Tons (Carcass Weight Equivalent)

	2017	2018	2019	2020	2021	2022 Oct
Total Imports						
China	902	1,369	2,177	2,782	3,000	3,250
Japan	793	840	853	832	815	835
Korea, South	468	515	550	549	595	575
Hong Kong	524	521	356	513	460	400
United Kingdom	500	502	407	407	385	385
Chile	273	308	347	342	380	380
European Union	392	422	435	351	320	340
Russia	469	449	401	363	320	300
Egypt	250	300	340	230	300	270
Malaysia	199	204	197	206	240	250
Others	1,479	1,586	1,648	1,606	1,650	1,672
Total Foreign	6,249	7,016	7,711	8,181	8,465	8,657
United States	1,358	1,360	1,387	1,516	1,445	1,436
Total	7,607	8,376	9,098	9,697	9,910	10,093
Total Exports						
Brazil	1,803	2,021	2,314	2,539	2,575	2,655
India	1,786	1,511	1,494	1,284	1,550	1,600
Australia	1,416	1,582	1,739	1,473	1,290	1,420
European Union	761	736	701	713	685	700
Argentina	283	501	763	819	720	680
New Zealand	564	602	623	638	650	616
Canada	444	478	525	513	595	600
Uruguay	409	436	436	411	480	490
Paraguay	366	358	339	371	480	440
Mexico	245	272	315	343	330	370
Others	686	709	757	794	820	855
Total Foreign	8,763	9,206	10,006	9,898	10,175	10,426
United States	1,297	1,433	1,373	1,339	1,549	1,483
Total	10,060	10,639	11,379	11,237	11,724	11,909

Notes: Includes meat of other bovines for certain countries. Indian exports are carabeef (water buffalo). The notation of a month beneath a year conveys the month in which the forecast for that year was released.

Cattle Stocks - Top Countries Summary
(in 1,000 head)

	2017	2018	2019	2020	2021	2022 Oct
Total Cattle Beg. Stks						
India	301,400	301,900	302,700	303,200	305,500	306,700
Brazil	226,045	232,350	238,158	244,144	252,700	263,800
China	88,345	90,387	89,153	91,380	95,620	99,500
European Union	79,698	79,010	77,840	77,161	76,462	75,725
Argentina	54,163	54,793	55,008	54,461	53,540	53,450
Australia	24,971	26,176	25,699	23,655	23,021	23,821
Russia	18,248	18,195	18,050	18,022	17,953	17,798
Mexico	16,490	16,584	16,699	16,900	17,000	17,258
Uruguay	11,864	11,744	11,396	11,436	11,966	11,956
Canada	11,535	11,565	11,500	11,265	11,150	10,980
Others	37,954	38,054	38,031	38,004	37,988	38,127
Total Foreign	870,713	880,758	884,234	889,628	902,900	919,115
United States	93,625	94,298	94,805	93,793	93,595	92,000
Total	964,338	975,056	979,039	983,421	996,495	1,011,115
Production (Calf Crop)						
India	68,200	68,600	69,000	69,400	69,800	70,000
Brazil	48,735	49,500	50,490	51,500	52,000	53,300
China	48,800	46,400	50,750	51,900	52,200	52,500
European Union	25,652	25,461	25,365	24,970	24,850	24,740
Argentina	14,734	14,851	14,965	14,300	14,400	14,500
Australia	9,700	9,100	8,700	8,300	8,200	8,600
Mexico	7,485	7,700	7,900	8,000	8,150	8,300
Russia	6,573	6,566	6,680	6,660	6,600	6,525
New Zealand	4,728	4,895	5,127	5,135	5,352	5,065
Canada	4,348	4,347	4,336	4,345	4,400	4,350
Others	12,328	12,168	12,191	12,357	12,089	12,066
Total Foreign	251,283	249,588	255,504	256,867	258,041	259,946
United States	35,758	36,313	35,592	35,136	35,100	34,700
Total	287,041	285,901	291,096	292,003	293,141	294,646

Notes: May contain other bovines. The notation of a month beneath a year conveys the month in which the forecast for that year was released.

Cattle Trade - Top Countries Summary
(in 1,000 head)

	2017	2018	2019	2020	2021	2022 Oct
Total Imports						
Canada	141	202	275	277	350	360
China	116	518	389	325	370	350
Egypt	250	250	340	280	200	200
Russia	65	115	112	70	50	70
Mexico	32	24	29	37	60	45
Others	75	106	143	126	63	68
Total Foreign	679	1,215	1,288	1,115	1,093	1,093
United States	1,807	1,899	2,043	2,114	1,800	2,000
Total	2,486	3,114	3,331	3,229	2,893	3,093
Total Exports						
Mexico	1,203	1,278	1,381	1,485	1,280	1,460
European Union	1,086	1,060	1,070	1,123	1,050	1,050
Australia	885	1,151	1,344	1,109	800	900
Canada	642	631	725	675	560	570
Uruguay	330	406	140	120	200	220
Others	574	928	744	578	277	361
Total Foreign	4,720	5,454	5,404	5,090	4,167	4,561
United States	193	244	307	321	475	325
Total	4,913	5,698	5,711	5,411	4,642	4,886

Notes: May contain other bovines. The notation of a month beneath a year conveys the month in which the forecast for that year was released.

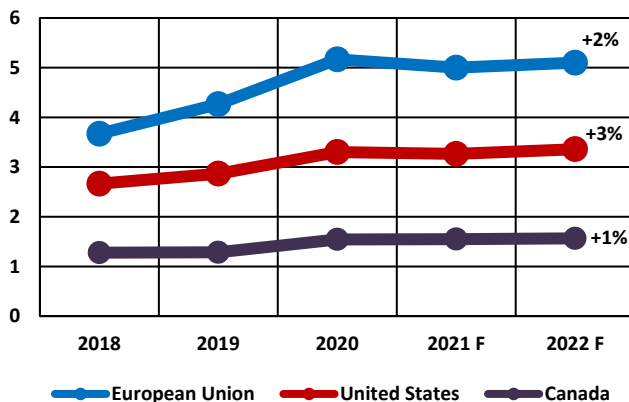
Pork

Global production is forecast to decline 2 percent in 2022 to 104.2 million tons largely on lower production in China. China pork production is expected at nearly 43.8 million tons, almost 5 percent below 2021. The precipitous decline in China hog prices since the beginning of 2021 is driving liquidation of hog inventories and is expected to tighten supplies of slaughter-ready pigs next year. Without high prices, margins have eroded, and producers will likely delay restocking or, in the case of smaller operators, perhaps exit the business altogether. Tighter supplies of pigs are expected to be exacerbated by a decline in carcass weights as low pork and high feed prices make the over-fattening seen in previous years uneconomical. Partially offsetting lower production in China will be a continued rebound in Vietnam where the management of African swine fever has protected producers from large-scale outbreaks. Plus, countries such as Brazil and Mexico will see their industry expand to take advantage of both a recovery in domestic demand and elevated export opportunities.

Global trade is expected to grow 2 percent in 2022, reaching 12.8 million tons, as tighter domestic supplies cause import demand to strengthen in China. Meanwhile, major exporters will see additional support from firming demand in other East Asian markets as economic and foodservice conditions improve. This will more than offset lower demand from the Philippines where an end to temporarily reduced tariffs and higher quota volumes on pork will drive imports lower. Vietnam is also expected to see lower import demand next year on continued recovery in domestic pork supplies.

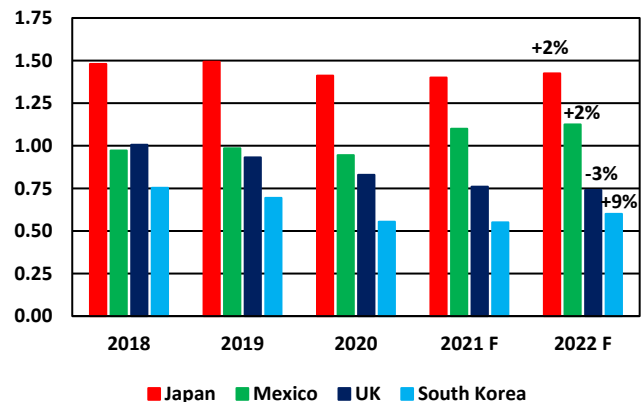
U.S. production and exports: U.S. production is forecast marginally lower in 2022 as lower pig inventories and producers' intentions to farrow fewer sows in the latter part of 2021 keep supplies tight going forward. Nevertheless, U.S. exports are expected to rise 3 percent on improving demand in most major markets. Higher imports in China will support U.S. trade both directly and indirectly as major competitors shift product out of other East Asian markets such as Japan and South Korea. Additionally, pent-up consumer demand and improvement in the value of the peso will support shipments to Mexico.

Top Pork Exporters
MMT CWE



Source: USDA-FAS-PSD

Top Global Importers, Excluding China
MMT CWE



Source: USDA-FAS-PSD

Pork Production - Top Countries Summary
1,000 Metric Tons (Carcass Weight Equivalent)

	2017	2018	2019	2020	2021	2022 Oct
Production						
China	54,518	54,040	42,550	36,340	46,000	43,750
European Union	22,758	23,156	22,996	23,219	23,680	23,660
Brazil	3,725	3,763	3,975	4,125	4,325	4,450
Russia	2,959	3,155	3,324	3,611	3,700	3,710
Vietnam	2,741	2,811	2,430	2,467	2,590	2,720
Canada	1,958	1,955	2,000	2,115	2,150	2,150
Mexico	1,267	1,321	1,408	1,451	1,495	1,560
Korea, South	1,280	1,329	1,364	1,403	1,375	1,365
Japan	1,272	1,284	1,279	1,306	1,320	1,325
United Kingdom	902	926	960	980	1,040	1,020
Others	6,062	6,233	6,200	5,893	5,869	5,951
Total Foreign	99,442	99,973	88,486	82,910	93,544	91,661
United States	11,611	11,943	12,543	12,845	12,559	12,519
Total	111,053	111,916	101,029	95,755	106,103	104,180
Total Dom. Consumption						
China	55,812	55,295	44,866	41,521	50,400	48,410
European Union	19,297	19,654	18,894	18,211	18,780	18,660
Russia	3,296	3,202	3,363	3,468	3,528	3,550
Brazil	2,951	3,043	3,116	2,949	3,032	3,073
Vietnam	2,743	2,869	2,493	2,687	2,884	2,965
Japan	2,729	2,774	2,714	2,732	2,730	2,735
Mexico	1,983	2,116	2,159	2,052	2,220	2,295
Korea, South	1,926	2,001	2,011	1,976	1,919	1,985
United Kingdom	1,626	1,625	1,554	1,461	1,500	1,450
Philippines	1,801	1,883	1,806	1,281	1,499	1,374
Others	6,614	6,858	6,833	6,691	6,954	7,164
Total Foreign	100,778	101,320	89,809	85,029	95,446	93,661
United States	9,541	9,747	10,066	10,034	9,799	9,659
Total	110,319	111,067	99,875	95,063	105,245	103,320

Note: The notation of a month beneath a year conveys the month in which the forecast for that year was released.

Pork Trade - Top Countries Summary
1,000 Metric Tons (Carcass Weight Equivalent)

	2017	2018	2019	2020	2021	2022 Oct
Total Imports						
China	1,501	1,457	2,451	5,281	4,500	4,750
Japan	1,473	1,480	1,493	1,412	1,400	1,425
Mexico	885	972	985	945	1,100	1,125
United Kingdom	1,024	1,006	932	829	760	740
Korea, South	645	753	694	554	550	600
Hong Kong	447	411	331	378	400	435
Philippines	239	283	222	167	500	375
Canada	218	228	242	273	260	270
Vietnam	33	78	73	225	300	250
Australia	215	216	269	201	205	210
Others	1,348	1,221	1,242	1,050	1,153	1,187
Total Foreign	8,028	8,105	8,934	11,315	11,128	11,367
United States	506	473	429	410	502	519
Total	8,534	8,578	9,363	11,725	11,630	11,886
Total Exports						
European Union	3,617	3,671	4,266	5,167	5,000	5,100
Canada	1,290	1,277	1,284	1,544	1,550	1,565
Brazil	776	722	861	1,178	1,295	1,380
Mexico	169	177	234	344	375	390
United Kingdom	300	307	338	348	300	310
Chile	162	190	223	295	280	270
Russia	30	37	68	156	185	170
China	207	202	135	100	100	90
Australia	38	41	33	34	40	40
Argentina	3	8	9	28	35	25
Others	79	67	49	58	73	67
Total Foreign	6,671	6,699	7,500	9,252	9,233	9,407
United States	2,555	2,666	2,867	3,302	3,265	3,359
Total	9,226	9,365	10,367	12,554	12,498	12,766

Note: The notation of a month beneath a year conveys the month in which the forecast for that year was released.

Swine Stocks - Top Countries Summary
(in 1,000 head)

	2017	2018	2019	2020	2021	2022 Oct
Total Beginning Stocks						
China	442,092	441,589	428,070	310,410	406,500	400,000
European Union	142,650	145,544	143,519	143,146	146,228	145,400
Brazil	39,215	38,829	38,427	37,850	37,350	36,350
Russia	21,782	22,945	23,600	25,048	25,744	26,200
Canada	13,935	14,170	13,975	13,970	14,025	13,650
Mexico	10,229	10,410	10,700	11,050	11,500	11,775
Korea, South	11,487	11,273	11,333	11,280	11,078	11,000
Japan	9,346	9,280	9,156	9,090	9,290	9,110
Ukraine	6,816	6,236	6,150	5,842	5,986	6,000
United Kingdom	4,538	4,713	4,648	4,741	4,758	4,700
Total Foreign	702,090	704,989	689,578	572,427	672,459	664,185
United States	71,345	73,145	75,070	78,228	76,822	74,750
Total	773,435	778,134	764,648	650,655	749,281	738,935
Production (Pig Crop)						
China	705,000	687,500	440,000	565,000	580,000	570,000
European Union	256,400	256,050	253,325	256,500	257,000	256,000
Russia	45,700	49,500	52,910	55,880	57,300	56,850
Brazil	40,230	40,954	42,250	43,525	44,515	45,300
Canada	29,030	28,032	28,351	29,550	30,200	30,500
Mexico	18,100	18,650	19,650	20,291	20,810	21,750
Korea, South	18,191	19,118	19,889	19,733	19,500	19,600
Japan	16,785	16,690	16,770	17,230	17,000	17,330
United Kingdom	10,850	10,950	11,175	11,250	11,450	11,300
Ukraine	8,767	8,813	8,565	8,569	8,770	9,300
Total Foreign	1,149,053	1,136,257	892,885	1,027,528	1,046,545	1,037,930
United States	129,429	132,568	139,448	139,059	132,822	138,020
Total	1,278,482	1,268,825	1,032,333	1,166,587	1,179,367	1,175,950

Notes: The notation of a month beneath a year conveys the month in which the forecast for that year was released.

Swine Trade - Top Countries Summary
(in 1,000 head)

	2017	2018	2019	2020	2021	2022 Oct
Total Imports						
United Kingdom	507	564	356	497	500	500
China	13	10	4	28	35	35
Mexico	42	33	37	25	15	25
Russia	6	8	14	21	10	12
Ukraine	8	30	22	11	8	8
European Union	65	17	13	16	5	5
Japan	1	1	0	3	1	2
Brazil	1	1	1	2	1	1
Korea, South	5	2	1	1	1	1
Canada	3	3	6	6	4	0
Total Foreign	651	669	454	610	580	589
United States	5,597	5,250	5,096	5,293	6,693	5,675
Total	6,248	5,919	5,550	5,903	7,273	6,264
Total Exports						
Canada	5,614	5,263	5,113	5,311	6,710	5,700
China	1,566	1,567	956	643	875	800
European Union	829	1,011	828	492	600	610
Russia	6	7	7	55	30	30
Ukraine	33	9	10	4	10	10
Brazil	5	8	9	3	3	3
United Kingdom	2	3	4	3	3	2
Japan	0	0	0	0	0	0
Korea, South	0	0	0	0	0	0
Mexico	7	0	0	0	0	0
Total Foreign	8,062	7,868	6,927	6,511	8,231	7,155
United States	59	64	60	56	59	65
Total	8,121	7,932	6,987	6,567	8,290	7,220

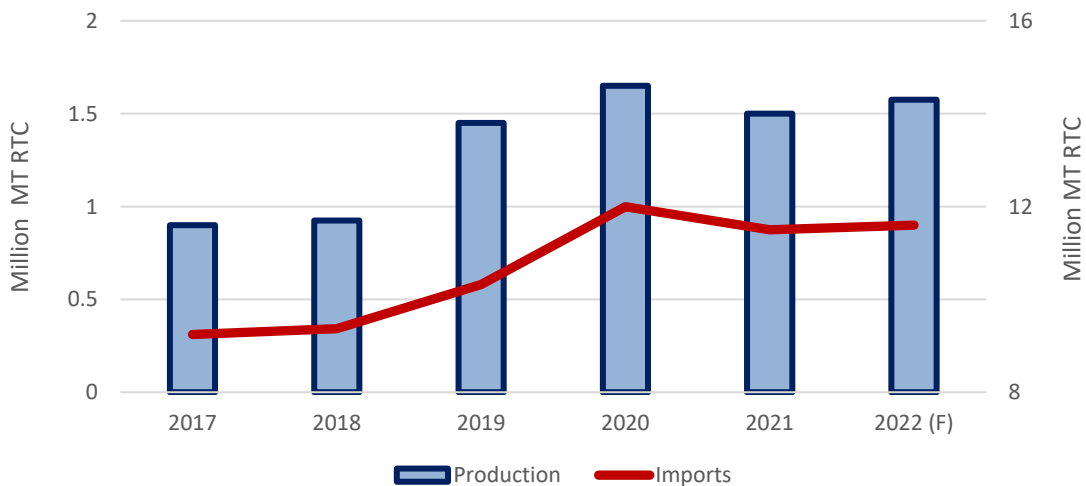
Notes: The notation of a month beneath a year conveys the month in which the forecast for that year was released.

Chicken Meat

Global production is forecast 2 percent higher in 2022 to a record 100.9 million tons. All major producers will make gains with the most significant growth in Brazil, China, and the United States. Despite relatively high feed prices squeezing profitability globally, expansion is spurred by robust demand as consumers seek low-cost animal protein. Brazil growth is driven by both global demand and domestic consumption as household budgets are strained. China production will rebound as large white feather broiler operations utilize production capacity from new facilities. Expectations of an improved economic outlook, easing COVID-related production problems, and strong domestic and foreign demand will drive Thailand output higher. Meanwhile, EU production is forecast higher as the sector recovers from the impact of foodservice disruptions and HPAI outbreaks.

Global exports are forecast 3 percent higher in 2022 to a record 13.3 million tons. Modest growth in most significant markets enables major exporters to make gains. The world’s leading exporter Brazil will account for over one-third of the growth as it is well-positioned to gain from growing EU and UK demand. Brazil will also be able to capture rising East Asia and Middle East imports. Rising Asia demand, particularly Japan and China, underpins Thailand expansion. China demand will remain firm, increasing slightly despite rising production.

China Chicken Meat:
Imports Remain Firm Despite Production Expansion



Source: USDA-FAS-PSD

Chicken Meat Production - Top Countries Summary
1,000 Metric Tons (Ready to Cook Equivalent)

	2017	2018	2019	2020	2021	2022 Oct
Production						
Brazil	13,612	13,355	13,690	13,880	14,350	14,720
China	11,600	11,700	13,800	14,600	14,000	14,300
European Union	10,331	10,618	10,836	11,020	10,930	11,100
Russia	4,680	4,684	4,668	4,680	4,600	4,650
Mexico	3,400	3,485	3,600	3,725	3,815	3,900
Thailand	2,990	3,170	3,300	3,250	3,280	3,380
Argentina	2,150	2,068	2,171	2,215	2,290	2,300
Turkey	2,137	2,157	2,138	2,136	2,170	2,230
Japan	1,661	1,685	1,723	1,765	1,765	1,780
Peru	1,465	1,582	1,763	1,728	1,750	1,770
Others	18,144	18,968	19,577	19,825	19,843	20,219
Total Foreign	72,170	73,472	77,266	78,824	78,793	80,349
United States	18,938	19,361	19,941	20,255	20,310	20,548
Total	91,108	92,833	97,207	99,079	99,103	100,897
Total Dom. Consumption						
China	11,475	11,595	13,952	15,211	14,450	14,760
Brazil	9,638	9,588	9,756	10,010	10,300	10,545
European Union	9,175	9,347	9,448	9,642	9,695	9,885
Mexico	4,198	4,301	4,469	4,560	4,698	4,802
Russia	4,785	4,785	4,712	4,688	4,620	4,640
Japan	2,688	2,761	2,789	2,773	2,796	2,807
Thailand	2,156	2,255	2,389	2,299	2,290	2,380
Argentina	1,978	1,955	2,021	2,063	2,150	2,130
United Kingdom	2,119	2,148	2,054	1,995	2,035	2,025
South Africa	1,778	1,877	1,829	1,891	1,868	1,930
Others	23,176	23,682	24,562	24,623	24,703	25,231
Total Foreign	73,166	74,294	77,981	79,755	79,605	81,135
United States	15,826	16,185	16,702	16,994	16,989	17,221
Total	88,992	90,479	94,683	96,749	96,594	98,356

Notes: Chicken paws are excluded. The notation of a month beneath a year conveys the month in which the forecast for that year was released.

Chicken Meat Trade - Top Countries Summary
1,000 Metric Tons (Ready to Cook Equivalent)

	2017	2018	2019	2020	2021	2022 Oct
Total Imports						
Japan	1,056	1,074	1,076	1,005	1,025	1,035
Mexico	804	820	875	842	890	910
China	311	342	580	999	875	900
United Kingdom	795	779	714	664	625	675
European Union	738	733	760	655	540	610
Philippines	266	321	366	335	530	540
Saudi Arabia	711	629	601	618	520	540
United Arab Emirates	439	421	482	429	415	445
South Africa	508	521	485	434	395	385
Iraq	577	529	494	468	380	380
Others	3,831	3,841	4,028	4,188	4,187	4,304
Total Foreign	10,036	10,010	10,461	10,637	10,382	10,724
United States	59	64	61	66	69	67
Total	10,095	10,074	10,522	10,703	10,451	10,791
Total Exports						
Brazil	3,977	3,770	3,939	3,875	4,055	4,180
European Union	1,894	2,004	2,148	2,033	1,775	1,825
Thailand	827	925	961	941	990	1,010
Turkey	351	413	402	440	470	515
China	436	447	428	388	425	440
Ukraine	264	318	407	428	430	440
United Kingdom	349	381	386	454	350	375
Russia	125	131	173	216	215	215
Argentina	178	124	155	158	150	180
Belarus	150	168	174	190	165	170
Others	471	523	597	565	550	602
Total Foreign	9,022	9,204	9,770	9,688	9,575	9,952
United States	3,137	3,244	3,259	3,376	3,421	3,387
Total	12,159	12,448	13,029	13,064	12,996	13,339

Notes: Chicken paws are excluded. From 2019, Yemen is excluded. The notation of a month beneath a year conveys the month in which the forecast for that year was released.

Notes to Readers

The *Livestock and Poultry: World Markets and Trade* circular is designed to give a snapshot of the current situation among the major players in world beef, pork, and chicken meat trade.

EU and UK Production, Supply and Distribution (PSD) Datasets and “Brexit”

Effective this release, the separation of the United Kingdom (UK) from the European Union (EU) is complete, including trade between both entities.

Starting this release of the 2022 data, livestock and poultry PSDs will reflect EU27 (“European Union”) and UK separately for the years 2016 to 2022.

For data prior to 2016, the “European Union” reflects the EU27+UK.

Data Revisions in PSDs for Years Prior to 2020:

Revisions are made based on new and/or additional information.

Commodity/Attribute	Years	Countries
Cattle		
<i>Production</i>		
<i>Trade</i>	2017-2019	China
Beef		
<i>Production</i>	2014-2018	Angola, Canada and United Arab Emirates
<i>Trade</i>	2015-2018	China, Chile and Saudi Arabia
Swine		
<i>Production</i>	2016-2018	Canada
<i>Trade</i>	2019	Mexico
Pork		
<i>Production</i>	2014-2019	Angola, Argentina, Colombia, New Zealand, South Africa
<i>Trade</i>		
Chicken Meat		
<i>Production</i>	2014-2019	Guatemala, Oman, and Vietnam
<i>Trade</i>	2015-2018	Iraq

New Data Series

Chicken Meat PSDs are added for the Dominican Republic and Peru. Data is available for 1999-2022.

New Adjustment for Chicken Meat Trade of Selected Countries

While “salted poultry” (HS 02109939) has been traditionally been included in EU imports, it is also now added to UK imports. Additionally, the exports of selected countries now include exports of HS 021099: Brazil (starting in 2006), Thailand (starting in 2021), Chile (starting in 2011) and Ukraine (starting in 2015.)

Data Series Discontinued

Data for the following country/commodities are discontinued and terminate in the database after 2015:

<u>Country</u>	<u>Commodity</u>
India	Chicken Meat
North Macedonia	Chicken Meat
Azerbaijan	Chicken Meat
Bosnia and Herzegovina	Meat, Beef and Veal
Congo (Brazzaville)	Meat, Beef and Veal
Gabon	Meat, Beef and Veal
Jordan	Meat, Beef and Veal
Pakistan	Meat, Beef and Veal
Switzerland	Meat, Beef and Veal
Iran	Meat, Beef and Veal
North Macedonia	Meat, Beef and Veal
Kazakhstan	Meat, Beef and Veal
Belarus	Cattle, Live
Belarus	Swine, Live
Bosnia and Herzegovina	Meat, Swine
Congo (Kinshasa)	Meat, Swine
Cote d'Ivoire	Meat, Swine
Cuba	Meat, Swine
Ecuador	Meat, Swine
Haiti	Meat, Swine
Kazakhstan	Meat, Swine
Montenegro	Meat, Swine
North Macedonia	Meat, Swine
Norway	Meat, Swine
Serbia	Meat, Swine

Technical Notes

CWE/PWE: All quantities (beef and pork) noted are in Carcass Weight Equivalent (CWE) unless otherwise noted as Product Weight Equivalent (PWE). CWE is the weight of an animal after slaughter and removal of most internal organs, head, and skin. PWE is the actual weight of the meat product exported.

RTC (Ready-to-Cook): RTC means any slaughtered poultry free from protruding pinfeathers and vestigial feathers (hair or down), from which the head, feet, crop, oil gland, trachea, esophagus, entrails, and lungs have been removed, and from which the mature reproductive organs and kidneys may have been removed, and with or without the giblets, and which is suitable for cooking without need of further processing. Ready-to-cook poultry also means any cut-up or disjointed portion of poultry or other parts of poultry, such as reproductive organs, head, or feet that are suitable for cooking without need of further processing.

Conversion Rates and HS Codes

<u>BEEF AND VEAL</u>		
HS Code	Description	Conversion Rate
020110	Bovine carcasses and half carcasses, fresh or chilled	1.00
020120	Bovine cuts bone in, fresh or chilled	1.00
020130	Bovine cuts boneless, fresh or chilled	1.36
020210	Bovine carcasses and half carcasses, frozen	1.00
020220	Bovine cuts bone in, frozen	1.00
020230	Bovine cuts boneless, frozen	1.36
021020	Bovine meat salted, dried or smoked	1.74
160250	Bovine meat, offal nes, not livers, prepared/preserve	1.79
<i>Notes: Beef and veal estimates include meat of other bovines for certain countries. In particular, India estimates include carabeef (water buffalo). Exports of HS 160250 are partially excluded from Argentina export estimates.</i>		
<u>PORK</u>		
HS Code	Description	Conversion Rate
020311	Carcasses/half-carcasses, fr/ch	1.00
020312	Bone-In hams, shoulders and cuts thereof, fr/ch	1.11
020319	Other pork cuts, fr/ch	1.30
020321	Carcasses/half-carcasses, frozen	1.00
020322	Bone-In hams, shoulders and cuts thereof, frozen	1.11
020329	Other pork cuts, frozen	1.30
021011	Bone-In hams, shoulders and cuts thereof, processed	1.30
021012	Bellies (streaky) and cuts thereof, processed	1.16
021019	Other meat of swine, processed	1.16
160241	Hams and cuts thereof, prep/pres	1.30
160242	Shoulders and cuts thereof, prep/pres	1.30
160249	Other meat of swine including mixtures, prep/pres	1.30

Chicken Meat Trade Codes: Fresh/Chilled (HS 020711 and HS 020713), Frozen (HS 020712 and HS 020714) and Processed (HS 160232). In general, chicken paws are excluded. Trade of “salted poultry” (HS 021099) is included in EU and UK imports as well as the exports of selected countries.

Assumptions

Diseases: Forecast reflects animal disease policies/restrictions in place as of October 12, 2021 and assumes their continuation.

Trade Actions: This report only considers those trade actions which are in place or have had formal announcement of effective dates as of the time of publication. Further, unless a formal end date is specified, this report also assumes such actions are in place throughout the time period covered by these forecasts.

PSD Online

The entire USDA PSD database is available online at: <http://www.fas.usda.gov/psdonline>.

Additional Resources

- Situation and outlook information on U.S. livestock and poultry can be obtained from the USDA-Economic Research Service at: <https://www.ers.usda.gov/topics/animal-products/>.

Future Releases and Contact Information

Please visit <http://www.fas.usda.gov/data/livestock-and-poultry-world-markets-and-trade> to view archived and future releases. Starting with this circular, Livestock and Poultry estimates will be published four times per year (January, April, July, October) for selected countries. However, all countries will be updated in April and October. The next release of this circular is January 2022.

Country/Commodities for January and July Releases			
Countries	Beef	Pork	Chicken Meat
Angola			x
Argentina	x		
Australia	x		
Brazil	x	x	x
Canada	x	x	x
China	x	x	x
Cuba			x
EU	x	x	x
Hong Kong	x	x	
Iraq			x
Japan	x	x	x
Mexico	x	x	x
New Zealand	x		
Philippines		x	x
Saudi Arabia			x
South Africa			x
South Korea	x	x	x
Thailand			x
United States	x	x	x

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