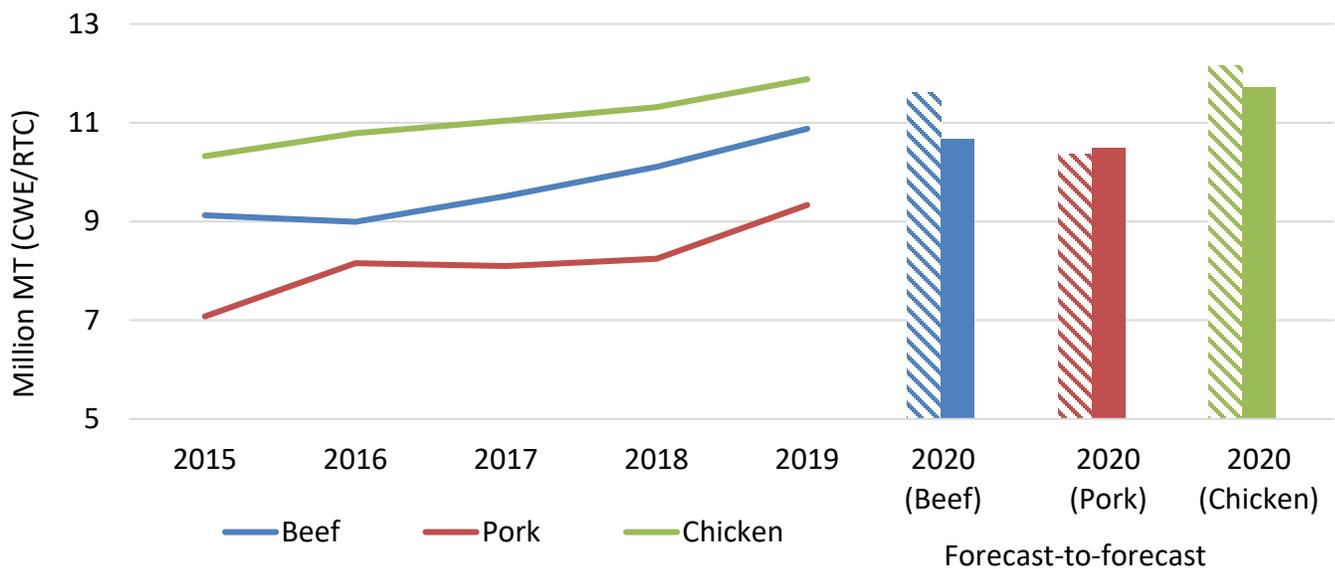


Livestock and Poultry: World Markets and Trade

COVID-19 Upends Global Protein Markets

Export Forecasts Lowered for Beef & Chicken in 2020



Global export forecasts for beef and chicken meat trade have been trimmed due to emerging threats from the spread of the COVID-19 virus. Economic growth forecasts have been cut for 2020 and the impact on consumers will dampen demand for animal protein. Widespread closures of restaurants and food service outlets as well as a reduction in tourism and travel will shift demand for protein among both types of meat as well as cuts. Furthermore, shipping disruptions have already impacted global trade by clogging ports and reducing container availability, at least in short run. Full impacts are likely still to develop, but the livestock and poultry sectors' response at all levels of the supply and distribution chain are likely to impact supplies in the future. Contrasting extensive economic headwinds, impacts from African swine fever in China and other countries remain a dominant factor in the market for pork. Exports are raised for pork as sharply lower pork production in China is still expected to drive record trade. However, COVID-19 has added significant uncertainty to the forecasts and is expected to disrupt trade in 2020.

Beef

- The global beef production forecast for 2020 is revised marginally lower from the prior forecast as world economic disruptions associated with COVID-19 suppress beef demand and lead producers to adjust their production plans. Global beef production in 2020 is expected to decline slightly year-over-year with lower production caused by herd rebuilding in Australia mostly offset by growth in Brazil, China, and North America.
- The global beef trade forecast was revised down 8 percent from the prior forecast, though approximately half of this change is due to recently revised conversion rates (see Notes to Readers). Year-over-year, global beef trade is expected to decline 2 percent as world economic growth is negatively impacted by COVID-19. This is expected to cause consumers to switch to less expensive protein sources and adjust dining patterns. Depressed restaurant traffic is expected to negatively impact beef demand because a large proportion of global consumption takes place in the HRI sector (hotels, restaurants, and other institutions).

Pork

- The global pork production forecast is lowered by 2 percent to 94.3 million tons on lowered expectations for China where the industry struggles to recover from African swine fever (ASF). Global production is forecast 7 percent lower year-over-year, largely due to reduced output in China, Vietnam, and Philippines, all countries affected by ASF. Production growth in the United States, Brazil, and to a lesser extent the EU Customs Union (EU27+UK) offsets some of the declines in Asia, as recent strong export demand has encouraged producers to expand herds.
- Global pork exports are raised to 10.5 million tons due to strong demand for pork from China. China's imports are raised to 3.9 million tons, accounting for 40 percent of global imports. Import forecasts for countries other than China have mostly been reduced for 2020. Weaker expected economic growth and impacts of COVID-19 on food service demand is expected to dampen demand for pork.

Chicken Meat

- The forecast for global chicken meat production is revised 2 percent lower to 100.5 million tons as gains in China fail to offset lowered production forecasts for all major producers. However, world production in 2020 remains forecast higher (1 percent) versus last year as gains in Brazil, China and the United States more than offset declines in EU27+UK, India, Thailand and Turkey. Compared to red meats, chicken meat demand is expected to be more resilient when faced with economic turmoil due to its position as a low-cost versatile animal protein culturally acceptable in virtually all markets.
- Global chicken meat trade is revised 4 percent lower to 11.7 million tons on downward revisions for all major exporters except Brazil. As a result, world chicken meat trade will contract 1 percent in 2020 compared to last year despite minor gains by Brazil and the United States. Although the pair combined account for 60 percent of world trade, their export gains will be outweighed by depressed shipments from other leading exporters (EU27+UK, Thailand, China, and Turkey).

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Notice: Changes in Conversion Rates of Red Meat Trade Data

As a result of continuous efforts to improve data reliability, the trade forecasts in this report reflect new conversion rates.

Historical data revisions (from 2005 onward) are available in the PSD database (<http://www.fas.usda.gov/psdonline>).

BEEF AND VEAL		
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>		
PORK		
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

Data prior to 2005 will continue to use the following conversion rates:

	Beef & Veal	Pork
Conversion Rate	1.4	1.3
HS Codes	Fresh/Chilled: 0201 Frozen: 0202 Processed: 021020 & 160250	Fresh/Chilled: 020311, 020312, 020319 Frozen: 020321, 020322, 020329 Processed: 021011, 021012, 021019, 160241, 160242, 160249

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

	2016	2017	2018	2019	2020 Jan	2020 Apr
Production						
Brazil	9,284	9,550	9,900	10,200	10,585	10,310
European Union	7,880	7,869	8,003	7,900	7,780	7,800
China	6,169	6,346	6,440	6,670	6,625	6,950
India	4,170	4,230	4,240	4,305	4,300	4,150
Argentina	2,650	2,840	3,050	3,120	3,150	3,085
Australia	2,125	2,149	2,306	2,432	2,085	2,085
Mexico	1,879	1,925	1,980	2,030	2,065	2,065
Pakistan	1,750	1,780	1,800	1,820	1,840	1,840
Russia	1,339	1,325	1,357	1,369	1,377	1,377
Canada	1,130	1,201	1,265	1,340	1,370	1,375
Others	8,149	8,039	8,093	8,108	7,918	7,980
Total Foreign	46,525	47,254	48,434	49,294	49,095	49,017
United States	11,507	11,943	12,256	12,381	12,514	12,515
Total	58,032	59,197	60,690	61,675	61,609	61,532
Total Dom. Consumption						
China	6,873	7,236	7,808	8,826	9,508	9,429
Brazil	7,695	7,801	7,925	7,929	8,047	7,850
European Union	7,940	7,884	8,071	7,911	7,775	7,790
India	2,461	2,444	2,729	2,811	2,600	2,750
Argentina	2,441	2,557	2,568	2,374	2,325	2,425
Mexico	1,833	1,868	1,902	1,906	1,880	1,905
Pakistan	1,702	1,736	1,753	1,771	1,766	1,786
Russia	1,797	1,780	1,790	1,753	1,791	1,709
Japan	1,193	1,254	1,298	1,319	1,360	1,336
Canada	963	988	1,014	1,028	985	1,003
Others	9,680	9,552	9,633	9,586	9,346	9,194
Total Foreign	44,578	45,100	46,491	47,214	47,383	47,177
United States	11,676	12,052	12,180	12,407	12,321	12,389
Total	56,254	57,152	58,671	59,621	59,704	59,566

Notes: Includes meat of other bovines for certain countries. India includes carabeef (water buffalo). From 2019, the following countries are excluded: Kuwait, Lebanon, Libya, Oman, Peru, Singapore, Turkey, and Venezuela. The notation of a month beneath a year conveys the month in which the forecast for that year was released.

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

	2016	2017	2018	2019	2020 Jan	2020 Apr
Total Imports						
China	761	902	1,369	2,177	2,900	2,500
Japan	698	793	840	853	890	870
Korea, South	450	468	515	563	625	550
Russia	470	469	449	401	430	350
Chile	290	273	308	347	395	340
Hong Kong	442	524	521	356	350	330
European Union	359	329	363	341	355	310
Egypt	340	250	300	310	320	290
Canada	245	229	236	204	215	210
Malaysia	206	199	204	197	195	180
Others	1,590	1,614	1,630	1,672	1,704	1,457
Total Foreign	5,851	6,050	6,735	7,421	8,379	7,387
United States	1,366	1,358	1,360	1,387	1,306	1,334
Total	7,217	7,408	8,095	8,808	9,685	8,721
Total Exports						
Brazil	1,652	1,803	2,021	2,314	2,580	2,500
Australia	1,412	1,416	1,582	1,738	1,470	1,400
India	1,709	1,786	1,511	1,494	1,700	1,400
Argentina	209	283	501	763	840	675
New Zealand	560	564	602	623	642	610
Canada	418	444	478	525	610	590
Uruguay	396	409	437	436	468	430
Paraguay	377	366	358	339	350	330
European Union	299	314	295	330	360	320
Mexico	227	245	272	314	390	320
Others	574	588	616	631	692	657
Total Foreign	7,833	8,218	8,673	9,507	10,102	9,232
United States	1,160	1,297	1,434	1,371	1,499	1,433
Total	8,993	9,515	10,107	10,878	11,601	10,665

Notes: Includes meat of other bovines for certain countries. Indian exports are carabeef (water buffalo). From 2019, the following countries are excluded: Kuwait, Lebanon, Libya, Oman, Peru, Singapore, Turkey, and Venezuela. 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)

	2016	2017	2018	2019	2020 Jan	2020 Apr
Total Cattle Beg. Stks						
India	301,000	301,400	301,900	302,700	308,700	303,200
Brazil	219,180	226,045	232,350	238,158	244,150	244,144
China	90,558	88,345	90,387	89,153	87,500	91,380
European Union	89,152	89,152	88,819	87,450	86,250	86,594
Argentina	52,565	53,515	53,715	53,805	53,685	53,685
Australia	27,413	24,971	26,176	25,734	23,934	23,690
Russia	18,528	18,248	18,195	18,050	17,930	18,044
Mexico	16,615	16,490	16,584	16,699	16,920	16,900
Uruguay	12,016	11,864	11,744	11,396	11,441	11,464
Canada	11,610	11,535	11,565	11,440	11,045	11,094
Others	32,136	32,446	32,629	32,663	32,779	32,898
Total Foreign	870,773	874,011	884,064	887,248	894,334	893,093
United States	91,888	93,625	94,298	94,805	94,700	94,413
Total	962,661	967,636	978,362	982,053	989,034	987,506
Production (Calf Crop)						
India	67,500	68,200	68,600	69,000	69,400	69,400
Brazil	48,250	48,735	49,500	50,490	51,500	51,500
China	48,890	48,800	47,500	50,750	49,500	51,000
European Union	30,100	29,550	28,850	28,900	28,300	28,500
Argentina	14,000	14,200	14,650	14,780	14,900	14,900
Australia	6,600	9,700	9,100	8,700	8,300	8,300
Mexico	7,100	7,485	7,700	7,900	8,105	8,105
Russia	6,560	6,573	6,566	6,700	6,650	6,650
New Zealand	5,060	4,728	4,895	5,150	4,875	4,970
Canada	4,272	4,348	4,292	4,251	4,400	4,200
Others	10,215	10,492	10,376	10,280	10,358	10,340
Total Foreign	248,547	252,811	252,029	256,901	256,288	257,865
United States	35,063	35,758	36,313	36,060	36,200	35,800
Total	283,610	288,569	288,342	292,961	292,488	293,665

Notes: May contain other bovines. From 2019, Turkey is excluded. The notation of a month beneath a year conveys the month in which the forecast for that year was released.

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

	2016	2017	2018	2019	2020 Jan	2020 Apr
Total Imports						
Egypt	300	250	250	340	280	280
Canada	32	141	202	275	250	260
China	133	121	168	210	170	100
Russia	63	65	115	112	100	100
Mexico	31	32	24	30	28	28
Others	16	17	17	21	17	23
Total Foreign	575	626	776	988	845	791
United States	1,708	1,807	1,899	2,043	2,065	2,065
Total	2,283	2,433	2,675	3,031	2,910	2,856
Total Exports						
Mexico	1,130	1,203	1,278	1,330	1,400	1,330
European Union	997	1,028	1,005	1,016	920	990
Australia	1,154	885	1,151	1,397	900	900
Canada	766	642	631	725	700	715
Brazil	293	407	785	554	605	605
Others	434	482	536	352	337	349
Total Foreign	4,774	4,647	5,386	5,374	4,862	4,889
United States	69	193	244	305	285	285
Total	4,843	4,840	5,630	5,679	5,147	5,174

Notes: May contain other bovines. From 2019, Turkey is excluded. The notation of a month beneath a year conveys the month in which the forecast for that year was released.

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

	2016	2017	2018	2019	2020 Jan	2020 Apr
Production						
China	54,255	54,518	54,040	42,550	36,000	34,000
European Union	23,866	23,660	24,082	23,935	24,250	24,150
Brazil	3,700	3,725	3,763	3,975	4,155	4,130
Russia	2,820	2,959	3,155	3,321	3,330	3,435
Vietnam	2,701	2,741	2,811	2,380	2,250	2,250
Canada	1,914	1,958	1,955	2,020	2,085	2,045
Mexico	1,211	1,267	1,321	1,408	1,465	1,460
Philippines	1,540	1,563	1,601	1,585	1,475	1,450
Korea, South	1,266	1,280	1,329	1,364	1,335	1,350
Japan	1,279	1,272	1,284	1,279	1,290	1,280
Others	5,474	5,495	5,648	5,610	5,749	5,601
Total Foreign	100,026	100,438	100,989	89,427	83,384	81,151
United States	11,320	11,611	11,943	12,542	12,999	13,176
Total	111,346	112,049	112,932	101,969	96,383	94,327
Total Dom. Consumption						
China	56,086	55,812	55,295	44,866	39,600	37,750
European Union	20,844	20,909	21,258	20,400	20,365	20,268
Russia	3,138	3,296	3,202	3,360	3,330	3,430
Brazil	2,882	2,951	3,043	3,116	3,157	3,132
Japan	2,625	2,729	2,774	2,714	2,785	2,764
Vietnam	2,662	2,717	2,811	2,420	2,315	2,315
Mexico	1,913	1,983	2,116	2,153	2,450	2,145
Korea, South	1,894	1,926	2,001	2,011	2,044	1,974
Philippines	1,732	1,801	1,883	1,806	1,775	1,729
Canada	865	873	913	967	940	940
Others	6,698	6,882	7,122	7,027	7,098	6,887
Total Foreign	101,339	101,879	102,418	90,840	85,859	83,334
United States	9,476	9,541	9,748	10,064	10,165	10,094
Total	110,815	111,420	112,166	100,904	96,024	93,428

Note: From 2015, the following countries are excluded: Albania, Armenia, Congo (Brazzaville), Gabon, Georgia, Ghana, Jamaica, North Korea, Kyrgyzstan, Moldova, Switzerland and Trinidad and Tobago. From 2016, Venezuela is excluded. The notation of a month beneath a year conveys the month in which the forecast for that year was released.

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

	2016	2017	2018	2019	2020 Jan	2020 Apr
Total Imports						
China	2,021	1,501	1,457	2,451	3,700	3,850
Japan	1,360	1,473	1,480	1,493	1,490	1,490
Mexico	843	885	972	975	1,235	950
Korea, South	615	645	753	694	695	625
Hong Kong	409	447	411	331	300	290
Philippines	193	239	283	222	300	280
Canada	211	218	228	242	260	255
Australia	210	215	216	269	240	240
Chile	72	93	96	134	150	155
Colombia	65	97	127	138	175	142
Others	1,082	1,191	1,045	1,041	1,042	980
Total Foreign	7,081	7,004	7,068	7,990	9,587	9,257
United States	495	506	473	428	401	370
Total	7,576	7,510	7,541	8,418	9,988	9,627
Total Exports						
European Union	3,034	2,764	2,838	3,551	3,900	3,900
Canada	1,266	1,290	1,277	1,284	1,400	1,375
Brazil	820	776	722	861	1,000	1,000
Mexico	141	169	177	230	250	265
Chile	163	162	190	223	270	255
China	190	207	202	135	100	100
Russia	21	30	37	68	80	75
Australia	33	38	41	33	42	35
South Africa	14	16	17	17	17	17
Serbia	10	14	13	13	20	12
Others	86	76	66	51	53	53
Total Foreign	5,778	5,542	5,580	6,466	7,132	7,087
United States	2,376	2,555	2,665	2,867	3,221	3,391
Total	8,154	8,097	8,245	9,333	10,353	10,478

Note: From 2015, the following countries are excluded: Albania, Armenia, Congo (Brazzaville), Gabon, Georgia, Ghana, Jamaica, North Korea, Kyrgyzstan, Moldova, Switzerland and Trinidad and Tobago. From 2016, Venezuela is excluded. 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)

	2016	2017	2018	2019	2020 Jan	2020 Apr
Total Beginning Stocks						
China	458,029	442,092	441,589	428,070	335,000	310,410
European Union	148,716	147,188	150,257	148,167	148,500	148,200
Brazil	39,422	39,215	38,829	38,427	37,725	37,850
Russia	21,239	21,782	22,945	23,600	24,600	25,083
Canada	13,630	13,935	14,170	13,960	14,150	13,875
Korea, South	10,187	11,487	11,273	11,333	11,090	11,280
Mexico	10,043	10,229	10,410	10,700	11,125	11,050
Japan	9,313	9,346	9,280	9,156	9,242	9,060
Ukraine	7,240	6,816	6,236	6,150	6,100	5,848
Belarus	3,205	3,145	3,156	2,841	2,725	2,900
Others	2,272	nr	nr	nr	nr	nr
Total Foreign	723,296	705,235	708,145	692,404	600,257	575,556
United States	69,019	71,345	73,145	75,070	77,338	78,658
Total	792,315	776,580	781,290	767,474	677,595	654,214
Production (Pig Crop)						
China	672,500	705,000	687,500	440,000	412,000	450,000
European Union	266,000	267,250	267,000	265,000	270,000	268,000
Russia	42,595	45,700	49,500	51,398	52,600	52,410
Brazil	39,635	40,230	40,954	42,250	44,000	44,250
Canada	28,812	29,026	28,017	28,272	28,900	28,200
Mexico	17,700	18,100	18,650	19,650	20,200	20,275
Korea, South	19,504	18,191	19,118	19,889	19,415	19,200
Japan	16,900	16,785	16,690	16,740	17,030	16,800
Ukraine	9,296	8,767	8,813	8,740	8,750	8,450
Belarus	5,200	5,325	5,050	4,900	4,725	5,000
Others	5,028	nr	nr	nr	nr	nr
Total Foreign	1,123,170	1,154,374	1,141,292	896,839	877,620	912,585
United States	125,907	129,429	132,568	139,993	142,790	141,669
Total	1,249,077	1,283,803	1,273,860	1,036,832	1,020,410	1,054,254

Notes: The notation of a month beneath a year conveys the month in which the forecast for that year was released. nr - represents "no reporting" countries (data sets excluded beginning in 2017). From 2017, the following country is excluded: Australia.

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

	2016	2017	2018	2019	2020 Jan	2020 Apr
Total Imports						
Mexico	20	42	33	38	41	41
China	8	13	10	4	25	25
Ukraine	4	8	30	22	20	20
Russia	8	6	8	13	10	10
Canada	3	3	3	6	3	3
European Union	3	6	3	3	3	3
Belarus	9	6	3	2	2	2
Brazil	0	1	1	1	1	1
Japan	1	1	1	1	1	1
Korea, South	3	5	2	1	1	1
Others	0	nr	nr	nr	nr	nr
Total Foreign	59	91	94	91	107	107
United States	5,657	5,597	5,250	5,100	4,990	5,000
Total	5,716	5,688	5,344	5,191	5,097	5,107
Total Exports						
Canada	5,672	5,614	5,263	5,116	5,000	5,000
China	1,551	1,566	1,567	956	600	600
European Union	288	339	509	369	375	350
Brazil	2	5	8	9	8	11
Ukraine	27	33	9	10	2	10
Russia	7	6	7	6	5	3
Belarus	5	2	0	0	0	0
Japan	0	0	0	0	0	0
Korea, South	0	0	0	0	0	0
Mexico	0	7	0	0	0	0
Others	0	nr	nr	nr	nr	nr
Total Foreign	7,552	7,572	7,363	6,466	5,990	5,974
United States	48	59	64	60	60	55
Total	7,600	7,631	7,427	6,526	6,050	6,029

Notes: The notation of a month beneath a year conveys the month in which the forecast for that year was released. From 2017, the following country is excluded: Australia.

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

	2016	2017	2018	2019	2020 Jan	2020 Apr
Production						
China	12,448	11,600	11,700	13,750	14,800	15,500
Brazil	13,523	13,612	13,355	13,690	13,915	13,775
European Union	11,560	11,912	12,260	12,460	12,600	11,950
Russia	4,328	4,680	4,684	4,671	4,760	4,685
India	3,464	3,767	4,062	4,350	4,902	4,000
Mexico	3,275	3,400	3,485	3,600	3,725	3,670
Thailand	2,813	2,990	3,170	3,300	3,490	2,900
Argentina	2,119	2,150	2,068	2,171	2,215	2,175
Turkey	1,879	2,137	2,157	2,138	2,400	2,075
Colombia	1,538	1,626	1,695	1,761	1,790	1,760
Others	15,691	15,914	16,520	17,207	17,714	17,508
Total Foreign	72,638	73,788	75,156	79,098	82,311	79,998
United States	18,510	18,938	19,361	19,941	20,615	20,511
Total	91,148	92,726	94,517	99,039	102,926	100,509
Total Dom. Consumption						
China	12,492	11,475	11,595	13,902	15,120	15,850
European Union	10,994	11,281	11,537	11,636	11,700	11,180
Brazil	9,637	9,768	9,671	9,865	10,175	9,903
Russia	4,449	4,785	4,785	4,724	4,785	4,740
Mexico	4,061	4,198	4,301	4,473	4,588	4,558
India	3,461	3,765	4,059	4,347	4,900	3,998
Japan	2,587	2,688	2,761	2,801	2,820	2,820
Argentina	1,969	1,978	1,955	2,021	2,066	2,035
Thailand	2,129	2,226	2,354	2,459	2,500	2,000
Philippines	1,531	1,609	1,701	1,816	1,990	1,890
Others	20,794	21,141	21,735	22,381	22,789	22,217
Total Foreign	74,104	74,914	76,454	80,425	83,433	81,191
United States	15,510	15,826	16,184	16,700	17,271	17,299
Total	89,614	90,740	92,638	97,125	100,704	98,490

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)

	2016	2017	2018	2019	2020 Jan	2020 Apr
Total Imports						
Japan	973	1,056	1,074	1,076	1,095	1,085
Mexico	791	804	820	880	865	895
China	430	311	342	580	750	725
European Union	763	692	704	724	710	680
United Arab Emirates	422	439	579	625	465	630
Saudi Arabia	878	711	629	601	635	575
Iraq	563	444	527	501	500	475
South Africa	504	508	521	485	480	430
Philippines	244	266	321	366	390	370
Hong Kong	344	291	215	293	360	290
Others	3,264	3,528	3,621	3,799	3,642	3,520
Total Foreign	9,176	9,050	9,353	9,930	9,892	9,675
United States	61	59	64	61	62	62
Total	9,237	9,109	9,417	9,991	9,954	9,737
Total Exports						
Brazil	3,889	3,847	3,687	3,830	3,745	3,875
European Union	1,329	1,323	1,427	1,548	1,610	1,450
Thailand	690	757	826	881	970	810
Ukraine	235	263	317	409	450	400
China	386	436	447	428	430	375
Turkey	263	357	418	408	430	360
Belarus	145	150	168	172	185	185
Russia	104	125	131	164	170	170
Argentina	158	178	124	155	158	145
Canada	134	134	124	124	125	125
Others	368	336	402	501	482	497
Total Foreign	7,701	7,906	8,071	8,620	8,755	8,392
United States	3,086	3,137	3,245	3,261	3,404	3,316
Total	10,787	11,043	11,316	11,881	12,159	11,708

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.

Data Revisions in PSDs for Years Prior to 2018:

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

Commodity/Attribute	Years	Countries
Cattle		
<i>Production</i>	2012-2017	India
Beef		
<i>Trade</i>	2005-2017	All Countries
Pork		
<i>Production</i>	2005-2017	Angola, Chile, Congo (Kinshasa), Cote d'Ivoire, Cuba, Ecuador, El Salvador, Macedonia, Montenegro, Panama, Serbia, and Uruguay.
<i>Trade</i>	2005-2017	All Countries
Chicken Meat		
<i>Production</i>	2005-2017	Turkey, Guatemala, Jordan
<i>Trade</i>	2005-2017	EU27+UK, Kazakhstan, Kuwait, and Qatar

Assumptions

Diseases: Forecast reflects animal disease policies/restrictions in place as of April 9, 2020 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.

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

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 July 10, 2020.

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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Swine and Pork
Cattle and Beef
Chicken Meat