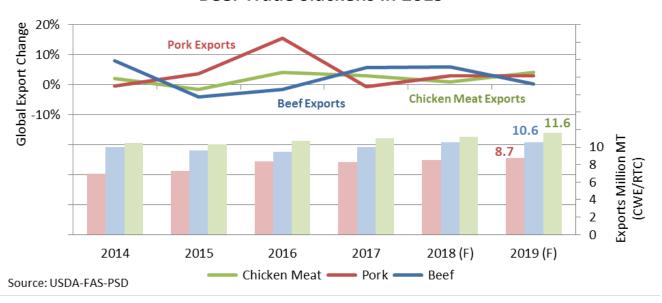
Livestock and Poultry: World Markets and Trade

Pork and Chicken Meat Trade Strengthen, Beef Trade Slackens in 2019



- **Beef** exports are forecast flat at 10.6 million tons, as shipments from Brazil, Argentina, and the United States offset declines by Australia and India. Growing global beef demand will provide opportunities for major exporters to increase market share in key markets.
- **Pork** exports are forecast 3 percent higher, buoyed by strong demand in Asia and Latin America. Pork prices remain competitive, bolstering shipments to most markets. The European Union will remain the top exporter, followed by the United States.
- Chicken meat exports are forecast a robust 4 percent higher to a new record. Shipments by major traders are fueled largely by rising consumption in developing markets, such as the Philippines, Angola, Cuba, and Ghana. Brazil's ability to adapt to new Saudi Arabian market conditions (non-stun slaughter) bolsters export recovery, albeit volumes will remain below historical highs.

| | Major Exporters: 2019 Forecast | | | | | | | | | | | | | |
|---------------|--------------------------------|-------|------|-----|----------------------------|---|---------|------------|----|---------------|---|----|---|----|
| Beef | | | | | Pork | | | | Ch | Chicken Meat | | | | |
| Country | Produc | ction | Ехро | rts | Country Production Exports | | Country | Production | | Exports | | | | |
| United States | 1 | 4% | 1 | 3% | EU | | 0% | 1 | 3% | Brazil | 1 | 2% | 1 | 2% |
| Brazil | 1 | 3% | 1 | 5% | United States | 1 | 5% | 1 | 4% | United States | 1 | 2% | 1 | 3% |
| Australia | 1 | -5% | 1 | -7% | Brazil | 1 | 3% | 1 | 7% | EU | 1 | 1% | 1 | 5% |

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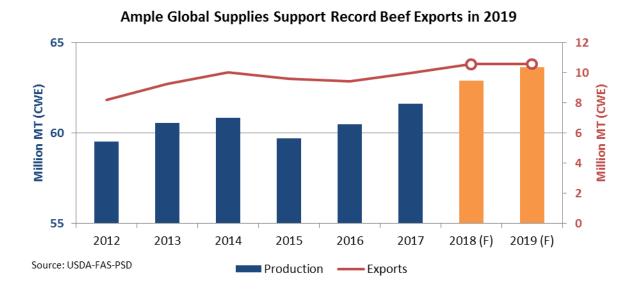
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Beef and Veal

Global production is forecast to grow slightly (1 percent) in 2019 to 63.6 million tons, primarily from gains in Brazil, the United States, and Argentina. Brazil's expansion is driven by steady domestic demand and solid export growth to key Asian markets. Argentina's growth is driven by rising weights in response to stronger export demand for heavier animals. Australia's persistent hot and dry weather conditions have led to deteriorating pasture conditions, high grain prices, and low water supplies, forcing more cattle into feedlots. With lower expected cattle numbers at the start of 2019 beef production is forecast lower. To the extent herd rebuilding occurs in 2019 fewer animals may be available for slaughter.

Global exports in 2019 are forecast flat at 10.6 million tons as shipments from Brazil, Argentina, and the United States will offset declines by Australia and India. Australia's herd rebuilding efforts will become its priority in 2019 potentially providing opportunities for major exporters to increase market share on growing global beef demand. China and Hong Kong's ever-rising beef demand will remain strong as stagnant domestic production and looming disease uncertainties in competing meat proteins fuel consumption.

U.S. production and exports: Production is forecast up 4 percent in 2019 to a record 12.7 million tons reflecting recent calf crop increases. Exports are forecast up 3 percent to a record 1.5 million tons, almost 12 percent of production. Ample supplies, competitive prices, and Australia's waning production will spur U.S. shipments to key markets such as Japan, South Korea, Mexico, and Canada.



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

| | 1,000 Metric Tons (Carcass Weight Equivalent) | | | | | | | |
|------------------------|---|--------|--------|--------|--------|-------------|--|--|
| | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 Oct | | |
| | | | | | | OCL | | |
| Production | | | | | | | | |
| Brazil | 9,723 | 9,425 | 9,284 | 9,550 | 9,900 | 10,200 | | |
| European Union | 7,443 | 7,684 | 7,880 | 7,863 | 7,915 | 7,800 | | |
| China | 6,890 | 6,700 | 7,000 | 7,260 | 7,325 | 7,400 | | |
| India | 4,100 | 4,100 | 4,200 | 4,250 | 4,300 | 4,330 | | |
| Argentina | 2,700 | 2,720 | 2,650 | 2,840 | 2,950 | 3,000 | | |
| Australia | 2,595 | 2,547 | 2,125 | 2,149 | 2,300 | 2,180 | | |
| Mexico | 1,827 | 1,850 | 1,879 | 1,925 | 1,960 | 2,000 | | |
| Pakistan | 1,685 | 1,710 | 1,750 | 1,780 | 1,800 | 1,820 | | |
| Turkey | 1,245 | 1,423 | 1,484 | 1,399 | 1,400 | 1,400 | | |
| Russia | 1,375 | 1,355 | 1,335 | 1,336 | 1,340 | 1,355 | | |
| Others | 10,156 | 9,379 | 9,384 | 9,329 | 9,402 | 9,413 | | |
| Total Foreign | 49,739 | 48,893 | 48,971 | 49,681 | 50,592 | 50,898 | | |
| United States | 11,075 | 10,817 | 11,507 | 11,943 | 12,286 | 12,725 | | |
| Total | 60,814 | 59,710 | 60,478 | 61,624 | 62,878 | 63,623 | | |
| Total Dom. Consumption | | | | | | | | |
| China | 7,277 | 7,339 | 7,759 | 8,227 | 8,530 | 8,705 | | |
| Brazil | 7,896 | 7,781 | 7,652 | 7,750 | 7,850 | 8,045 | | |
| European Union | 7,514 | 7,742 | 7,898 | 7,832 | 7,935 | 7,820 | | |
| India | 2,018 | 2,294 | 2,436 | 2,401 | 2,635 | 2,705 | | |
| Argentina | 2,503 | 2,534 | 2,434 | 2,547 | 2,450 | 2,425 | | |
| Mexico | 1,839 | 1,797 | 1,809 | 1,841 | 1,865 | 1,890 | | |
| Russia | 2,297 | 1,967 | 1,849 | 1,840 | 1,823 | 1,810 | | |
| Pakistan | 1,627 | 1,636 | 1,685 | 1,722 | 1,741 | 1,761 | | |
| Turkey | 1,247 | 1,455 | 1,495 | 1,424 | 1,489 | 1,469 | | |
| Japan | 1,225 | 1,186 | 1,215 | 1,277 | 1,316 | 1,320 | | |
| Others | 12,082 | 10,806 | 10,848 | 10,761 | 10,884 | 11,127 | | |
| Total Foreign | 47,525 | 46,537 | 47,080 | 47,622 | 48,518 | 49,077 | | |
| United States | 11,241 | 11,275 | 11,676 | 12,052 | 12,206 | 12,657 | | |
| Total | 58,766 | 57,812 | 58,756 | 59,674 | 60,724 | 61,734 | | |

Notes: Includes meat of other bovines for certain countries. India includes carabeef (water buffalo). From 2015, the following countries are excluded: Albania, Azerbaijan, Cote d'Ivoire, Georgia, Ghana, Jamaica, Senegal and Uzbekistan. 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)

| | 1,000 Metric rons (Carcass Weight Equivalent) | | | | | | |
|----------------|---|-------|-------|-------|--------|--------|--|
| | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | |
| | | | | | | Oct | |
| Total Imports | | | | | | | |
| China | 417 | 663 | 812 | 974 | 1,200 | 1,320 | |
| Japan | 739 | 707 | 719 | 817 | 835 | 850 | |
| Hong Kong | 646 | 339 | 453 | 543 | 560 | 600 | |
| Korea, South | 392 | 414 | 513 | 531 | 560 | 565 | |
| Russia | 932 | 622 | 524 | 516 | 495 | 470 | |
| European Union | 372 | 363 | 368 | 338 | 370 | 370 | |
| Egypt | 270 | 360 | 340 | 250 | 300 | 330 | |
| Chile | 241 | 245 | 298 | 281 | 310 | 320 | |
| Canada | 272 | 269 | 243 | 229 | 240 | 250 | |
| Mexico | 206 | 175 | 188 | 196 | 210 | 220 | |
| Others | 2,085 | 1,969 | 1,880 | 1,920 | 1,927 | 1,987 | |
| Total Foreign | 6,572 | 6,126 | 6,338 | 6,595 | 7,007 | 7,282 | |
| United States | 1,337 | 1,528 | 1,366 | 1,358 | 1,373 | 1,406 | |
| Total | 7,909 | 7,654 | 7,704 | 7,953 | 8,380 | 8,688 | |
| Total Exports | | | | | | | |
| Brazil | 1,909 | 1,705 | 1,698 | 1,856 | 2,100 | 2,200 | |
| India | 2,082 | 1,806 | 1,764 | 1,849 | 1,665 | 1,625 | |
| Australia | 1,851 | 1,854 | 1,480 | 1,485 | 1,630 | 1,510 | |
| New Zealand | 579 | 639 | 587 | 593 | 603 | 589 | |
| Argentina | 197 | 186 | 216 | 293 | 500 | 575 | |
| Canada | 378 | 397 | 441 | 465 | 500 | 515 | |
| Uruguay | 350 | 372 | 421 | 436 | 440 | 415 | |
| Paraguay | 389 | 381 | 389 | 378 | 380 | 360 | |
| European Union | 301 | 305 | 350 | 369 | 350 | 350 | |
| Mexico | 194 | 228 | 258 | 280 | 305 | 330 | |
| Others | 601 | 685 | 664 | 666 | 650 | 635 | |
| Total Foreign | 8,831 | 8,558 | 8,268 | 8,670 | 9,123 | 9,104 | |
| United States | 1,167 | 1,028 | 1,160 | 1,297 | 1,435 | 1,472 | |
| Total | 9,998 | 9,586 | 9,428 | 9,967 | 10,558 | 10,576 | |

Notes: Includes meat of other bovines for certain countries. Indian exports are carabeef (water buffalo). From 2015, the following countries are excluded: Albania, Azerbaijan, Cote d'Ivoire, Georgia, Ghana, Jamaica, Senegal and Uzbekistan. The notation of a month beneath a year conveys the month in which the forecast for that year was released.

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

| | | (in 1,000 | nead) | | | |
|------------------------|-----------|-----------|---------|---------|-----------|-------------|
| | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 Oct |
| | | | | | | <u> </u> |
| Total Cattle Beg. Stks | | | | | | |
| India | 300,600 | 301,100 | 302,600 | 303,600 | 305,000 | 306,50 |
| Brazil | 207,959 | 213,035 | 219,180 | 226,045 | 232,350 | 238,15 |
| China | 103,000 | 100,450 | 100,275 | 99,173 | 96,850 | 94,70 |
| European Union | 87,619 | 88,406 | 89,152 | 89,152 | 88,439 | 87,29 |
| Argentina | 51,545 | 51,545 | 52,565 | 53,515 | 53,715 | 54,21 |
| Australia | 29,291 | 29,102 | 27,413 | 24,971 | 25,500 | 25,20 |
| Russia | 19,564 | 19,152 | 18,879 | 18,638 | 18,564 | 18,50 |
| Mexico | 17,760 | 17,120 | 16,615 | 16,490 | 16,584 | 16,81 |
| Turkey | 14,533 | 14,345 | 14,128 | 14,222 | 14,500 | 14,99 |
| Canada | 12,050 | 11,640 | 11,610 | 11,535 | 11,575 | 11,52 |
| Others | 75,956 | 44,598 | 44,152 | 44,311 | 44,353 | 44,38 |
| Total Foreign | 919,877 | 890,493 | 896,569 | 901,652 | 907,430 | 912,26 |
| United States | 88,526 | 89,143 | 91,918 | 93,705 | 94,399 | 95,00 |
| Total | 1,008,403 | 979,636 | 988,487 | 995,357 | 1,001,829 | 1,007,26 |
| Production (Calf Crop) | | | | | | |
| India | 66,000 | 67,000 | 67,500 | 68,200 | 68,700 | 69,00 |
| China | 47,900 | 49,000 | 50,000 | 50,500 | 50,900 | 50,85 |
| Brazil | 49,600 | 48,220 | 48,250 | 48,735 | 49,500 | 50,70 |
| European Union | 29,280 | 29,900 | 30,100 | 29,180 | 29,000 | 28,90 |
| Argentina | 13,300 | 14,200 | 14,000 | 14,200 | 14,700 | 14,30 |
| Australia | 11,063 | 9,394 | 6,600 | 9,050 | 9,000 | 8,80 |
| Mexico | 6,750 | 6,850 | 7,100 | 7,485 | 7,700 | 7,90 |
| Russia | 6,670 | 6,620 | 6,600 | 6,705 | 6,700 | 6,76 |
| New Zealand | 5,440 | 5,040 | 5,060 | 4,728 | 4,850 | 4,76 |
| Canada | 4,496 | 4,198 | 4,272 | 4,358 | 4,340 | 4,34 |
| Others | 18,214 | 13,686 | 13,727 | 14,192 | 14,225 | 14,35 |
| Total Foreign | 258,713 | 254,108 | 253,209 | 257,333 | 259,615 | 260,66 |
| United States | 33,522 | 34,087 | 35,093 | 35,808 | 36,500 | 36,67 |
| Total | 292,235 | 288,195 | 288,302 | 293,141 | 296,115 | 297,34 |

Notes: May contain other bovines. From 2015, Colombia and Venezuela are 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)

| | | (111 1,000 11 | leau j | | | |
|----------------|-------|---------------|--------|-------|-------|-------------|
| | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 Oct |
| | | | | | | |
| Total Imports | | | | | | |
| Turkey | 50 | 203 | 494 | 896 | 1,200 | 1,000 |
| Egypt | 200 | 170 | 300 | 250 | 250 | 340 |
| Canada | 45 | 36 | 32 | 141 | 180 | 190 |
| China | 316 | 129 | 133 | 121 | 135 | 150 |
| Russia | 75 | 94 | 63 | 66 | 90 | 65 |
| Others | 615 | 37 | 47 | 49 | 41 | 42 |
| Total Foreign | 1,301 | 669 | 1,069 | 1,523 | 1,896 | 1,78 |
| United States | 2,358 | 1,984 | 1,708 | 1,806 | 1,885 | 1,960 |
| Total | 3,659 | 2,653 | 2,777 | 3,329 | 3,781 | 3,747 |
| Total Exports | | | | | | |
| Mexico | 1,177 | 1,213 | 1,130 | 1,203 | 1,200 | 1,200 |
| European Union | 499 | 810 | 997 | 1,031 | 1,100 | 1,00 |
| Australia | 1,297 | 1,336 | 1,154 | 928 | 1,000 | 95 |
| Brazil | 649 | 212 | 293 | 407 | 850 | 90 |
| Canada | 1,267 | 860 | 789 | 663 | 670 | 660 |
| Others | 380 | 337 | 434 | 482 | 573 | 43! |
| Total Foreign | 5,269 | 4,768 | 4,797 | 4,714 | 5,393 | 5,14 |
| United States | 108 | 73 | 69 | 193 | 190 | 19 |
| Total | 5,377 | 4,841 | 4,866 | 4,907 | 5,583 | 5,340 |

Notes: May contain other bovines. From 2015, Colombia and Venezuela are excluded. The notation of a month beneath a year conveys the month in which the forecast for that year was released.

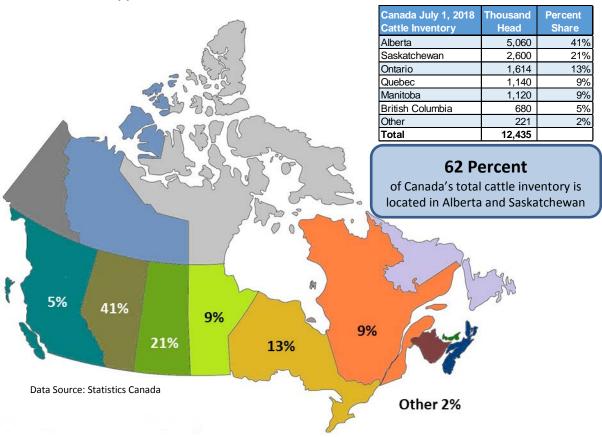
Marginal Growth Forecast for Canada Cattle and Beef Production

Tyler Cozzens, Agricultural Economist

HIGHLIGHTS:

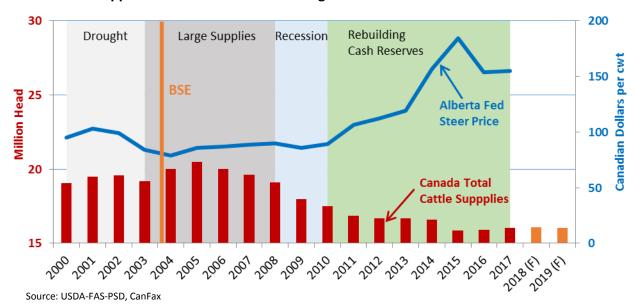
- Canada's beef production is forecast flat for 2019 following 3 percent growth in 2018 as available cattle supplies constrain expansion efforts.
- More than three-quarters of Canada's beef exports are traditionally destined for the U.S. market.
- Newly operational Harmony Beef plant in Calgary, AB seeks to supply growing Asian markets and EU under EU-Canada Comprehensive Economic and Trade Agreement (CETA).

Canada's Cattle Supplies Focused in Western Prairie Provinces of Alberta and Saskatchewan



Canada's cattle industry has faced many challenges, resulting in a declining herd size from a high of 20.5 million head in 2005. Much of Canada's cattle production is located in Alberta and Saskatchewan which holds 41 and 21 percent, respectively, of the total supplies as of July 1, 2018. From 2000-2003, Canada experienced drought conditions which increased cattle marketings and pressured prices. The situation was compounded with the detection of bovine spongiform encephalopathy (BSE) in May 2003 which reduced demand for Canadian beef. Inventories then grew as cattle marketings declined, pressuring prices and producer returns. The recession of 2008 only exacerbated the circumstances. Since 2011, producers have been rebuilding cash reserves as cattle prices have started to rise but are still hesitant to expand production.

Canada Cattle Supplies Lower as Prices Remain High



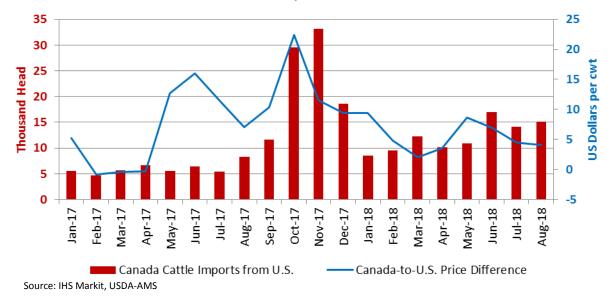
Current State of Canada's Cow-Calf Sector

As the average age of producers (approximately 56 years) rises, industry consolidation seems likely to continue with smaller-scale producers exiting and larger-scale producers seeking to expand. Potentially more profitable crops, such as canola, are increasing the competition for the same land as cattle. Feed supplies have recently been somewhat of a constraint as limited supplies and higher foreign demand have pressured available supplies of feed barley and wheat. However, silage and forage crops provide an option and if prices are advantageous producers' can import corn from the United States. Feedlot space, particularly in Alberta, is available but feeder cattle prices have not encouraged further expansion in the cow-calf sector.

Spike in Fourth Quarter 2017 Canada Cattle Imports

In 2017, Canada imported 141,000 head of cattle and 75 percent (107,000) of those were shipped in the second half of the year. Canada's cattle imports increased nearly fivefold over 2016 levels. In 2017, during the combined months of October and November, Canada imported nearly 63,000 head. Although imports only account for just over 3 percent of production, the pace of shipments for the first half of 2018 steadily grew and exceeded 2017 levels. The primary type of cattle imported in 2017 and through September of 2018 from the United States was feeder cattle for placement and weighing less than 700 pounds. Further exacerbating the impacts of the Canadian cow-calf sector's consolidation on feeder calf supplies was the late winter storms during March and April of 2018. The storms occurred during key calving months in western parts of Canada and the United States which increased death loss. Alberta producers noted calving death loses ranging in the 20-25 percent range last spring season. Although this may not be representative of all Canada, since Alberta is the largest cattle-producing province, these losses could affect the availability of feeder cattle for placement in the coming months.

Price-Driven Demand for U.S. Feeder Cattle Shipments to Canada



Canadian feedlots have been actively purchasing cattle from U.S. markets. This is indicated by the pace of imports through the first seven months of 2018 which is nearly double 2017 volume levels. These imports have been largely driven by lower-priced U.S. feeder cattle which can be sourced and shipped to Canadian feedlots cheaper than purchasing similar cattle domestically. Feedlot operators are seeking to take advantage of otherwise empty livestock trucks, following delivery to U.S. slaughter facilities, by purchasing competitively priced U.S. feeder cattle and shipping across the border for feedlot placement. The price difference between Canadian feeder cattle (Alberta feeder) and U.S. feeder cattle (Oklahoma steer) in the 500- to 600-pound category was as much as \$22.41 per hundredweight (cwt) U.S. dollars in October 2017. More recently, the price difference has been in the \$5 to \$10 per cwt range, but the pace of shipments has remained strong in September which is the start of the key placement period. There have been fewer southbound cattle for slaughter; for example, Canada exported 663,000 head of cattle in 2017 for processing in U.S. facilities which is nearly 16 percent lower than 2016 levels of 789,000 head. This may be an indication that more cattle are being kept to supply the Canadian market.

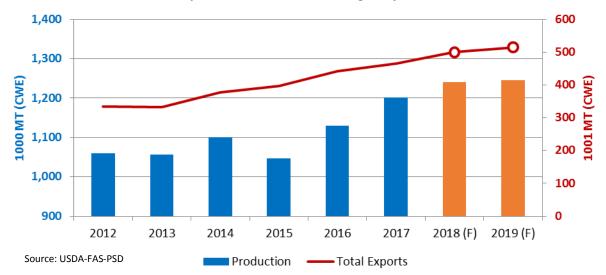
Harmony Beef Plant Seeking to Supply Growing Niche Markets

In 2017, the Harmony Beef plant, located near Calgary, Alberta, came online as an operation seeking to produce high-quality beef for the domestic and international markets. The Cargill and JBS plants in Alberta are much larger in size than Harmony Beef, but the facility does have capacity to expand and process up to an additional 400 head per day. Harmony Beef is focusing on higher end niche markets not only domestically but also in key Asian markets, such as Hong Kong, Japan and China. With the new EU-Canada Comprehensive Economic and Trade Agreement (CETA) the EU may be a budding market for Canadian beef, but meeting the EU beef import requirements and developing EU-eligible cattle in the Canadian herd may be limiting factors.

EU-Canada Comprehensive Economic and Trade Agreement (CETA)

The EU and Canada Economic and Trade Agreement (CETA), which entered into force September 21, 2017, removed import tariffs on 50,000 metric tons (MT) of beef and veal. As a result of the agreement, Canada is no longer included in the EU High-Quality Beef (HQB) quota. Following CETA, the 2017/18 overall HQB quota amount decreased from an initial 48,200 MT to a total of 45,711 MT for the year due to Canada no longer participating as it now has a country-specific quota. The EU provisional quota fill numbers for the 2017/18 year showed that Canada supplied 0.33% of beef under the quota. A new quota of 45,000 MT for the 2018/19 year opened on July 1, 2018. Canada's year-to-date beef and beef product exports, through July, are up nearly 8 percent compared to last year's quantity levels and exports to the EU are up over 50 percent, albeit, the EU exports have typically accounted for less than one percent of Canada's total exports.

Canada Beef Production and Exports Forecast to Rise Marginally



Canada Beef Exports an Integral Part of Production

Canada's beef production is forecast to grow marginally to 1.25 million tons MT carcass weight equivalent (CWE) in 2019 following an estimated 3 percent growth in 2018 to 1.24 million tons (MT CWE) as available cattle supplies will constrain future expansion efforts. Beef exports are destined primarily for the United States which historically has accounted for over three-quarters of Canada's shipments. The number two destination for Canadian beef has been Hong Kong, followed by Japan, Mexico, and China rounding out the top five markets in 2017. Although these four markets currently make up only 18 percent of Canada's exports, shipments to these destinations have remained steady. Canada's 2019 beef exports are forecast to grow 3 percent to 515,000 MT; 2018 is estimated to rise 8 percent to 500,000 MT. Exports account for approximately 40 percent of beef production each year.

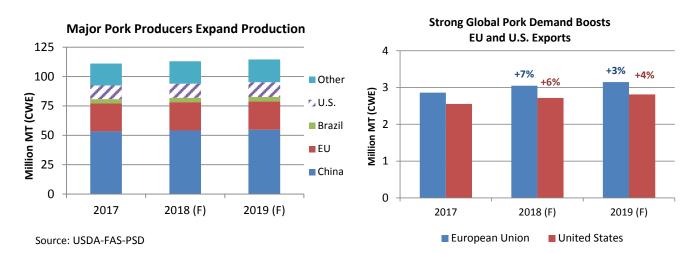
For more information, contact: Tyler Cozzens | USDA-FAS, Office of Global Analysis, Global Commodity Analysis Division | Tyler.Cozzens@usda.gov, (202) 690-2993

Pork

Global production is forecast up 1 percent in 2019 to 114.6 million tons on continued expansion in China and the United States. The global economy continues to grow, boosting demand for pork in most countries. Production is forecast 1 percent higher in China as a larger sow herd and improvements in productivity boost the pig supply. However, the recent discovery of African Swine Fever (ASF) in China has impacted hog movement and prices, resulting in a slower rate of expansion relative to last year. EU production will decline marginally as lower hog prices and higher feed costs will drive a small reduction in the breeding herd.

Global exports are forecast almost 3 percent higher in 2019 driven by strong global demand. The European Union will remain the top exporter, buoyed by higher demand in Asia, especially China. Brazil's exports will rebound as growth to China and Hong Kong offset the loss of previous top market Russia. Import demand will also strengthen in Latin America, as favorable prices and changing preferences boost per-capita pork consumption. Mexico's imports are forecast 5 percent higher and Colombia 29 percent higher on robust demand. South Korea's imports will decline as near-record expected imports during 2018 are expected to lead to high stocks.

U.S. production and exports: Production is forecast up 5 percent in 2019 on higher hog slaughter and heavier carcass weights. Despite lower hog prices this year, producers intend to farrow more hogs during 2019, driven by substantial investments in production capacity over the past 2 years. Lower pork prices and steady gains in global pork demand will drive exports nearly 4 percent higher in 2019, following 6-percent growth in 2018. Retaliatory tariffs on U.S. pork will limit U.S. shipments to China, but lower prices are expected to propel growth to top market Mexico.



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

| | 1,000 M | etric Tons (Carcas | ss Weight Equival | ent) | | |
|------------------------|---------|--------------------|-------------------|---------|---------|--------|
| | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 |
| | | | | | | Oct |
| | | | | | | |
| Production | | | | | | |
| China | 56,710 | 54,870 | 52,990 | 53,400 | 54,150 | 54,80 |
| European Union | 22,540 | 23,249 | 23,866 | 23,663 | 24,100 | 24,00 |
| Brazil | 3,400 | 3,519 | 3,700 | 3,725 | 3,675 | 3,77 |
| Russia | 2,510 | 2,615 | 2,870 | 3,000 | 3,235 | 3,31 |
| Vietnam | 2,431 | 2,548 | 2,701 | 2,741 | 2,675 | 2,73 |
| Canada | 1,805 | 1,899 | 1,914 | 1,959 | 1,960 | 1,97 |
| Philippines | 1,402 | 1,463 | 1,540 | 1,563 | 1,600 | 1,63 |
| Korea, South | 1,200 | 1,217 | 1,266 | 1,280 | 1,375 | 1,41 |
| Mexico | 1,135 | 1,164 | 1,211 | 1,267 | 1,310 | 1,36 |
| Japan | 1,264 | 1,254 | 1,279 | 1,282 | 1,285 | 1,28 |
| Others | 5,733 | 5,503 | 5,482 | 5,547 | 5,601 | 5,68 |
| Total Foreign | 100,130 | 99,301 | 98,819 | 99,427 | 100,966 | 101,96 |
| United States | 10,368 | 11,121 | 11,320 | 11,611 | 11,992 | 12,62 |
| Total | 110,498 | 110,422 | 110,139 | 111,038 | 112,958 | 114,58 |
| Total Dom. Consumption | | | | | | |
| China | 57,194 | 55,668 | 54,980 | 54,812 | 55,725 | 56,52 |
| European Union | 20,390 | 20,871 | 20,747 | 20,817 | 21,065 | 20,86 |
| Russia | 3,021 | 3,016 | 3,192 | 3,338 | 3,250 | 3,30 |
| Brazil | 2,846 | 2,893 | 2,870 | 2,941 | 2,992 | 3,04 |
| Japan | 2,543 | 2,568 | 2,626 | 2,741 | 2,785 | 2,80 |
| Vietnam | 2,414 | 2,526 | 2,647 | 2,703 | 2,660 | 2,73 |
| Mexico | 1,836 | 2,017 | 2,091 | 2,180 | 2,305 | 2,40 |
| Korea, South | 1,660 | 1,813 | 1,894 | 1,926 | 2,010 | 2,12 |
| Philippines | 1,600 | 1,637 | 1,734 | 1,803 | 1,869 | 1,92 |
| Taiwan | 875 | 937 | 902 | 929 | 933 | 93 |
| Others | 6,889 | 6,654 | 6,660 | 6,854 | 7,079 | 7,28 |
| Total Foreign | 101,268 | 100,600 | 100,343 | 101,044 | 102,673 | 103,93 |
| United States | 8,544 | 9,341 | 9,475 | 9,540 | 9,760 | 10,27 |
| Total | 109,812 | 109,941 | 109,818 | 110,584 | 112,433 | 114,21 |

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)

| | 1,000 Me | tric ions (Carcas: | s weignt Equivale | ent) | | |
|----------------|----------|--------------------|-------------------|-------|-------|-------|
| | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 |
| | | | | | | Oct |
| otal Imports | | | | | | |
| China | 761 | 1,029 | 2,181 | 1,620 | 1,750 | 1,875 |
| Japan | 1,332 | 1,270 | 1,361 | 1,475 | 1,510 | 1,525 |
| Mexico | 818 | 981 | 1,021 | 1,083 | 1,175 | 1,235 |
| Korea, South | 480 | 599 | 615 | 645 | 735 | 685 |
| Hong Kong | 347 | 397 | 429 | 463 | 475 | 490 |
| Philippines | 199 | 175 | 195 | 241 | 270 | 300 |
| Canada | 214 | 216 | 215 | 222 | 230 | 235 |
| Australia | 191 | 220 | 210 | 215 | 225 | 230 |
| Colombia | 71 | 64 | 66 | 99 | 140 | 180 |
| Taiwan | 63 | 107 | 77 | 111 | 120 | 130 |
| Others | 1,406 | 1,155 | 1,123 | 1,210 | 991 | 1,03 |
| Total Foreign | 5,882 | 6,213 | 7,493 | 7,384 | 7,621 | 7,91 |
| United States | 459 | 506 | 495 | 506 | 483 | 48 |
| Total | 6,341 | 6,719 | 7,988 | 7,890 | 8,104 | 8,39 |
| otal Exports | | | | | | |
| European Union | 2,164 | 2,390 | 3,131 | 2,860 | 3,050 | 3,150 |
| Canada | 1,220 | 1,239 | 1,320 | 1,336 | 1,350 | 1,36 |
| Brazil | 556 | 627 | 832 | 786 | 685 | 73 |
| Chile | 163 | 178 | 173 | 171 | 185 | 19 |
| Mexico | 117 | 128 | 141 | 170 | 180 | 19 |
| China | 277 | 231 | 191 | 208 | 175 | 150 |
| Russia | 5 | 7 | 25 | 37 | 45 | 50 |
| Australia | 37 | 36 | 38 | 43 | 49 | 4: |
| Vietnam | 21 | 30 | 65 | 50 | 35 | 30 |
| South Africa | 14 | 17 | 15 | 18 | 18 | 20 |
| Others | 105 | 82 | 49 | 62 | 48 | 47 |
| Total Foreign | 4,679 | 4,965 | 5,980 | 5,741 | 5,820 | 5,97 |
| United States | 2,310 | 2,272 | 2,377 | 2,556 | 2,717 | 2,813 |
| Total | 6,989 | 7,237 | 8,357 | 8,297 | 8,537 | 8,790 |

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 - Selected Countries Summary (in 1,000 head)

| | | (in 1,000 | head) | | | |
|------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 |
| | | | | | | Oct |
| Total Beginning Stocks | | | | | | |
| China | 474,113 | 465,830 | 451,130 | 435,040 | 433,250 | 440,000 |
| European Union | 146,172 | 148,341 | 148,716 | 147,188 | 150,000 | 148,90 |
| Brazil | 38,844 | 39,395 | 39,422 | 39,215 | 38,829 | 38,23 |
| Russia | 19,081 | 19,405 | 21,345 | 21,888 | 23,058 | 23,85 |
| Canada | 12,835 | 13,180 | 13,630 | 13,935 | 14,250 | 14,20 |
| Korea, South | 9,912 | 10,090 | 10,187 | 11,487 | 11,273 | 11,80 |
| Mexico | 9,775 | 9,788 | 10,043 | 10,229 | 10,410 | 10,54 |
| Japan | 9,537 | 9,440 | 9,313 | 9,346 | 9,280 | 9,26 |
| Ukraine | 7,922 | 7,492 | 7,240 | 6,816 | 6,236 | 5,93 |
| Belarus | 3,267 | 2,925 | 3,205 | 3,145 | 3,156 | 3,10 |
| Others | 2,098 | 2,308 | 2,272 | nr | nr | r |
| Total Foreign | 733,556 | 728,194 | 716,503 | 698,289 | 699,742 | 705,81 |
| United States | 64,775 | 67,776 | 68,919 | 71,545 | 73,445 | 75,75 |
| Total | 798,331 | 795,970 | 785,422 | 769,834 | 773,187 | 781,56 |
| Production (Pig Crop) | | | | | | |
| China | 729,927 | 696,600 | 672,500 | 689,500 | 708,000 | 712,00 |
| European Union | 261,750 | 265,287 | 266,000 | 267,000 | 271,500 | 269,00 |
| Russia | 37,000 | 39,830 | 41,477 | 43,600 | 46,500 | 46,95 |
| Brazil | 38,470 | 39,050 | 39,635 | 40,230 | 40,000 | 40,40 |
| Canada | 27,197 | 28,983 | 28,812 | 29,109 | 28,600 | 29,00 |
| Korea, South | 16,812 | 17,600 | 19,504 | 18,191 | 20,478 | 20,88 |
| Mexico | 17,300 | 17,300 | 17,700 | 18,100 | 18,500 | 18,95 |
| Japan | 17,050 | 16,700 | 16,900 | 16,785 | 16,695 | 16,60 |
| Ukraine | 9,527 | 9,624 | 9,296 | 8,767 | 8,100 | 8,65 |
| Belarus | 4,850 | 5,200 | 5,200 | 5,325 | 5,350 | 5,30 |
| Others | 5,022 | 4,921 | 5,028 | nr | nr | r |
| Total Foreign | 1,164,905 | 1,141,095 | 1,122,052 | 1,136,607 | 1,163,723 | 1,167,73 |
| United States | 114,856 | 121,411 | 125,939 | 129,467 | 133,966 | 137,81 |
| Total | 1,279,761 | 1,262,506 | 1,247,991 | 1,266,074 | 1,297,689 | 1,305,540 |

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.

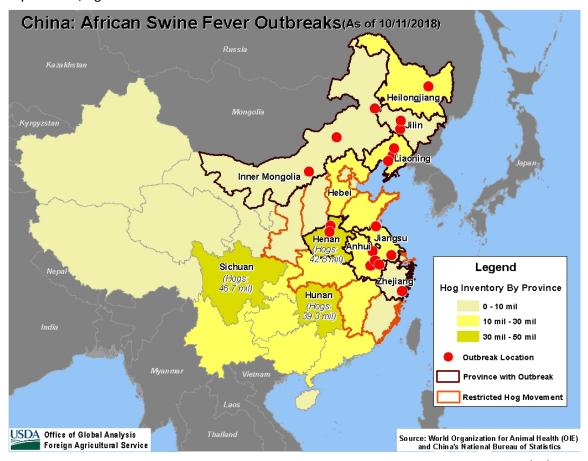
Swine Trade - Selected Countries Summary (in 1,000 head)

| | | (IN 1,000 N | cau | | | |
|----------------|-------|-------------|-------|-------|-------|------------|
| | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 Oc |
| | | | | | | - 00 |
| otal Imports | | | | | | |
| Mexico | 14 | 42 | 20 | 42 | 35 | 3 |
| Ukraine | 22 | 22 | 4 | 8 | 15 | 1 |
| Belarus | 5 | 8 | 9 | 6 | 8 | |
| China | 9 | 4 | 8 | 6 | 10 | |
| European Union | 1 | 3 | 3 | 6 | 8 | |
| Korea, South | 2 | 2 | 3 | 5 | 5 | |
| Russia | 8 | 2 | 8 | 6 | 4 | |
| Canada | 3 | 6 | 3 | 3 | 3 | |
| Brazil | 0 | 1 | 0 | 1 | 1 | |
| Japan | 1 | 0 | 1 | 1 | 1 | |
| Others | 0 | 0 | 0 | nr | nr | ı |
| Total Foreign | 65 | 90 | 59 | 84 | 90 | 9 |
| United States | 4,947 | 5,740 | 5,656 | 5,600 | 5,625 | 5,40 |
| Total | 5,012 | 5,830 | 5,715 | 5,684 | 5,715 | 5,49 |
| otal Exports | | | | | | |
| Canada | 4,960 | 5,776 | 5,672 | 5,614 | 5,400 | 5,40 |
| China | 1,737 | 1,696 | 1,552 | 1,557 | 1,600 | 1,60 |
| European Union | 567 | 436 | 288 | 339 | 600 | 50 |
| Ukraine | 1 | 1 | 27 | 33 | 15 | : |
| Russia | 0 | 2 | 7 | 6 | 8 | : |
| Brazil | 3 | 4 | 2 | 5 | 6 | |
| Belarus | 0 | 1 | 5 | 2 | 0 | |
| Japan | 0 | 0 | 0 | 0 | 0 | |
| Korea, South | 0 | 0 | 0 | 0 | 0 | |
| Mexico | 0 | 0 | 0 | 7 | 0 | |
| Others | 0 | 0 | 0 | nr | nr | 1 |
| Total Foreign | 7,268 | 7,916 | 7,553 | 7,563 | 7,629 | 7,53 |
| United States | 19 | 41 | 48 | 59 | 57 | 6 |
| Total | 7,287 | 7,957 | 7,601 | 7,622 | 7,686 | 7,59 |

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.

Hog Markets React as African Swine Fever Spreads in China

Lindsay Kuberka, Agricultural Economist



Map updated 10/10/2018

China's pork production has been in expansion mode, but the recent discovery of African Swine Fever (ASF) increases uncertainties for the sector. As of October 10, 31 outbreaks have occurred in eight provinces — a geographic area that accounts for over 50 percent of China's hogs. The true scale and potential spread of the disease are still unknown. However, transportation and marketing restrictions in affected and neighboring provinces have already disrupted supply chains and led to diverging local prices for hogs. Uncertainty and lower expected hog prices due to these outbreaks will slow the growth of hog production and boost demand for pork imports during 2019.

ASF Spreads across Eight Provinces in Two Months

Since the first discovery in Shenyang on August 1, ASF has spread quickly to seven other provinces. Outbreaks have been found primarily on small farms with limited biosecurity compared to larger commercial farms. China has shed over 60 million small producers since 2002 through industry consolidation and modernization, but the latest statistics in 2016 showed there were still more than 40 million operations each raising less than 500 head. These operations accounted for nearly half of national hog production. The preponderance of small farms and the outbreaks' rapid and wide geographic spread demonstrates the vulnerability of the industry to disease.

Livestock and Poultry: World Markets and Trade

In response to the disease, movement of hogs from affected provinces has been prohibited, and shipping hog products has been banned from some regions. On September 11, the Ministry of Agriculture and Rural Affairs (MARA) banned live auctions and inter-provincial movement of hogs in 10 provinces which neighbor ASF-infected provinces. Intended to prevent further outbreaks, these measures are causing substantial disruptions in the marketing of hogs. Covering nearly half of all production areas, transport limitations are preventing processors from securing hog supplies and hog producers from finding buyers. According to MARA, nearly 15 percent of hogs are transported across provincial borders. Northeast provinces affected by ASF are net suppliers of live hogs to provinces with greater processing capacity and closer to population centers. In contrast, provinces in the south increasingly pull hogs from Northern and Southwestern China to meet local demand. The impacts of restrictions are becoming apparent in regional differences in hog prices.

ASF Overview

ASF is a viral infection producing fever and near-100 percent fatality in infected herds. Incidence of the disease requires total culling of the herd and disinfection of the production site. While highly infectious among swine, the disease does not impact human health. ASF was discovered in Africa in the early 20th century, but beyond sporadic outbreaks in Europe and South America in the 1960s through 1980s, ASF had largely been confined to parts of Africa. In 2007, an outbreak was discovered in Georgia and from there spread through the Caucuses to Russia, Ukraine, and Belarus. ASF was found in the European Union in 2014, with initial outbreaks in Poland and now in 10 EU Member States. The September discovery of ASF in a wild boar in Belgium is the first outbreak in Western Europe, bringing ASF in close proximity to major commercial hog operations in Germany, France, and the Netherlands.

ASF is typically spread through a herd's exposure to infected animals or contaminated feed. In Eastern Europe, wild boars and ticks have spread the disease to backyard farms. Garbage feeding can be another source of transmission as hogs contract ASF by consuming meat or products of an infected animal. While banned in the EU out of disease concerns, garbage feeding still occurs in other parts of the world in backyard farms. The virus can survive for several years in frozen hog products and therefore pork and product trade is prohibited from areas with an outbreak. Without a vaccine available, strong biosecurity practices are the best protection swine producers have against outbreaks.

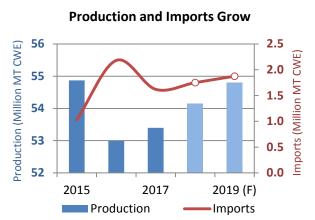
Chinese Pork Production Remains Up on Expanding Hog Supplies

Gains in hog and sow inventories will boost China's pork production by about 1.2 percent in 2019, following 1.4 percent growth in 2018. Herd expansion that began in 2017 accelerated in 2018, as positive returns fueled growth in the sow herd especially among large-scale producers. Hog supplies increased during the first half of 2018, boosting slaughter by 1.4 percent and production is expected to hold firm during the second half. However, the rate of expansion will slow in 2019 as producers in disease-affected areas reduce sows on lower hog prices. Transit restrictions could also limit transfer of piglets to grow-out farms, reducing available hog supplies.

In the long-run, continued outbreaks of ASF are likely to drive further industry consolidation through exit of small producers least able to adopt biosecurity measures and cope with the disease. At the other end of the market, large integrators have announced recently that they would scale back aggressive investment plans. Many of these companies focused on expanding production in Northeast China, areas that the government prioritized for economic and environmental reasons. Many of the areas targeted for expansion are most affected by ASF outbreaks.

Outbreaks of ASF have drawn comparisons to the 2006 outbreak of porcine reproductive and respiratory syndrome (PRRS). The PRRS outbreak spread to most provinces within months, driving a 3-percent decline in hog inventory and 6-percent drop in the sow herd. Lower hog numbers led to an 8-percent decline in pork production in 2007. Chinese officials have been more prompt and transparent in reporting outbreaks of ASF, culling herds, monitoring farms, and banning movement of animals. Several outbreaks of ASF were detected via herd inspections by officials. ASF has not yet spread as widely as PRRS, but previous disease outbreaks demonstrate the possible production impact of new diseases.





Regional Hog Prices Diverge after Outbreaks

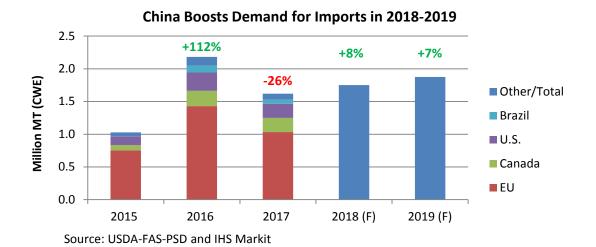
Live hog prices dipped to multi-year lows during 2018 as supplies increased — with national prices averaging 19 percent lower year-over-year through September. China's hog price typically bottoms out in May and increases during the summer. Prices peak during the fall and winter months as pork demand mounts during holidays including mid-Autumn festival and Chinese New Year. This year, prices rebounded seasonally after May, but have fallen in many regions since initial outbreaks of ASF. The general trend has been lower prices in the East, Northeast, and Central China — reflecting the difficulty of marketing hogs from an ASF-affected region. Lower prices could also be caused by accelerated slaughter of hogs after initial disease reports and could lead to shorter supplies in the coming months. In contrast, prices have increased in hog and pork-deficient regions and those unaffected by outbreaks, especially in South China. Strong hog prices could spur production growth in these regions. However, expansion is largely constrained in these regions due to environmental restrictions.

Will Consumers Shy Away from Pork?

Pork consumption is expected to be relatively stable in 2019 in line with production growth. However, the effect of ASF on consumer pork demand is unknown. Although Chinese officials have issued public announcements assuring the public that ASF has no negative impacts on human health, there are reports that some consumers have reduced purchases of pork out of food safety concerns, a phenomenon that could boost demand for chicken and other competing proteins. Anecdotally, some food service operators are increasing purchases of chicken, although this is more likely in regions impacted by lower supplies due to transit restrictions. Apart from regional disruptions in pork supplies, a reduction in overall consumer pork demand would contribute to lower hog prices in 2019 and further limit production growth.

Global Markets Expected to Fill Supply Shortages in China

Demand for imported pork in China is expected to increase in 2019 as end-users react to lower global pork prices and market disruptions and spot shortages caused by ASF. Imports are forecast up 7 percent, following 8-percent growth in 2018. With retaliatory tariffs in place on U.S. pork, China is likely to boost imports from the European Union, Brazil, and Canada. Imports play a rising, but still minor, role in China's consumption. The 2019 import forecast represents just 3 percent of total consumption. Imports are typically used in the processing industry and to a lesser extent food service and retail. Consumers and food service operators continue to prefer fresh pork, limiting the use of imported frozen pork. Domestic prices will dictate the level of imports, rising if outbreaks have significant production or supply impacts that lift domestic prices. However, imports could decline if prices plunge due to diminished domestic pork demand.



Bottom Line: Production, Imports, and Uncertainty on the Rise

While ASF outbreaks have a devastating impact on affected herds, the immense size of China's hog herd means that outbreaks have thus far had a limited impact on national production.

Notwithstanding a major escalation in disease incidence, pork production is forecast to expand

marginally in 2019. Hog prices will dictate the rate of expansion in most areas, although rising feed costs and environmental restrictions will be constraints on growth. Pork will remain the top consumed meat in China, but if consumers shift to competing proteins, pork demand will fall and put further pressure on hog prices. Government efforts to control the spread of ASF will lessen the impact, but disrupt supply chains and reduce access to pork in the process. As a result, these efforts will reduce incentives to expand while providing support for higher imports in 2019.

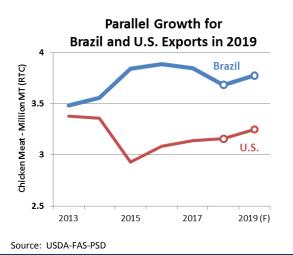
For more information, contact: Lindsay Kuberka | USDA-FAS, Office of Global Analysis, Global Commodity Analysis Division | Lindsay.Kuberka@usda.gov, (202) 644-4650

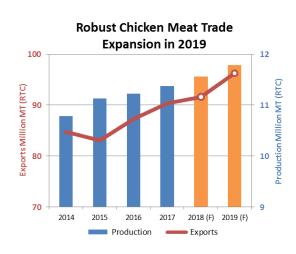
Chicken Meat

Global production is forecast to grow 2 percent in 2019 to a record 97.8 million tons. All major producers gain on the continuation of generally positive conditions: ample feed supplies at relatively low prices, the absence of widespread highly pathogenic avian influenza (HPAI) outbreaks and modest global demand. Brazil is expected to rebound to attain a new record fueled by export recovery and rising domestic demand supported by stronger economic growth. The European Union (EU) is also forecast to reach a new record due to growing domestic and export demand. The EU economic downturn has not negatively impacted consumption but rather has boosted demand as chicken meat is competitively priced and easy to prepare. China continues to be challenged by HPAI-related bans which limit the supply of imported genetic stock. Despite this constraint, China is forecast to rise 3 percent although production will still remain well below historical highs.

Global exports are forecast a vigorous 4 percent higher in 2019 to a record 11.6 million tons. Leading exporters Brazil and the United States will make the largest gains, although increases by the EU, Thailand and Ukraine will also be significant. The ability to adapt to new Saudi Arabian market conditions (non-stun slaughter) will enable Brazil to benefit from strong demand in its key Middle East market. Robust Asian demand, particularly from Hong Kong, Japan and the Philippines will benefit numerous shippers. Consumption in developing markets such as Angola, Cuba and Ghana continues to be resilient, also fueling trade.

U.S. production and exports: Production is expected to rise 2 percent to a record 19.7 million tons in 2019, supported by growth in domestic and foreign demand. Exports will rise 3 percent to over 3.2 million tons. U.S. shipments will remain below 2014 levels due to HPAI-related restrictions by China.





Livestock and Poultry: World Markets and Trade

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

| 1,000 Metric Tons (Ready to Cook Equivalent) | | | | | | | |
|--|--------|--------|--------|--------|--------|-------------|--|
| | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 Oct | |
| | | | | | | | |
| roduction | | | | | | | |
| Brazil | 12,946 | 13,547 | 13,523 | 13,612 | 13,550 | 13,80 | |
| European Union | 10,450 | 10,890 | 11,560 | 12,060 | 12,315 | 12,47 | |
| China | 13,156 | 13,561 | 12,448 | 11,600 | 11,700 | 12,00 | |
| India | 3,930 | 4,115 | 4,427 | 4,640 | 4,855 | 5,10 | |
| Russia | 3,958 | 4,222 | 4,328 | 4,658 | 4,725 | 4,78 | |
| Mexico | 3,025 | 3,175 | 3,275 | 3,400 | 3,500 | 3,60 | |
| Thailand | 2,499 | 2,692 | 2,813 | 2,990 | 3,120 | 3,25 | |
| Turkey | 1,942 | 1,961 | 1,925 | 2,188 | 2,250 | 2,27 | |
| Argentina | 2,110 | 2,085 | 2,119 | 2,150 | 2,175 | 2,18 | |
| Colombia | 1,413 | 1,481 | 1,538 | 1,627 | 1,685 | 1,73 | |
| Others | 14,880 | 15,400 | 15,810 | 15,916 | 16,369 | 16,90 | |
| Total Foreign | 70,309 | 73,129 | 73,766 | 74,841 | 76,244 | 78,09 | |
| United States | 17,542 | 18,208 | 18,510 | 18,938 | 19,350 | 19,70 | |
| Total | 87,851 | 91,337 | 92,276 | 93,779 | 95,594 | 97,80 | |
| otal Dom. Consumption | | | | | | | |
| China | 12,986 | 13,428 | 12,492 | 11,475 | 11,590 | 11,90 | |
| European Union | 10,029 | 10,441 | 11,047 | 11,418 | 11,540 | 11,65 | |
| Brazil | 9,391 | 9,710 | 9,637 | 9,768 | 9,866 | 10,02 | |
| India | 3,921 | 4,107 | 4,423 | 4,636 | 4,850 | 5,09 | |
| Russia | 4,358 | 4,427 | 4,451 | 4,759 | 4,800 | 4,80 | |
| Mexico | 3,738 | 3,960 | 4,061 | 4,198 | 4,339 | 4,45 | |
| Japan | 2,461 | 2,510 | 2,587 | 2,688 | 2,826 | 2,90 | |
| Thailand | 1,979 | 2,072 | 2,129 | 2,226 | 2,279 | 2,35 | |
| Argentina | 1,833 | 1,899 | 1,969 | 1,978 | 2,060 | 2,04 | |
| South Africa | 1,685 | 1,775 | 1,804 | 1,794 | 1,845 | 1,89 | |
| Others | 19,323 | 19,993 | 20,630 | 21,271 | 21,551 | 22,31 | |
| Total Foreign | 71,704 | 74,322 | 75,230 | 76,211 | 77,546 | 79,44 | |
| United States | 14,233 | 15,265 | 15,510 | 15,823 | 16,241 | 16,53 | |
| Total | 85,937 | 89,587 | 90,740 | 92,034 | 93,787 | 95,97 | |

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 - Selected Countries Summary 1,000 Metric Tons (Ready to Cook Equivalent)

| | 1,000 Me | etric Tons (Ready | to Cook Equivale | nt) | | |
|----------------------|----------|-------------------|------------------|--------|--------|-------------|
| | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 Oct |
| | | | | | | - 00 |
| otal Imports | | | | | | |
| Japan | 888 | 936 | 973 | 1,056 | 1,140 | 1,17 |
| Mexico | 722 | 790 | 791 | 804 | 845 | 86 |
| European Union | 712 | 730 | 763 | 693 | 650 | 68 |
| Saudi Arabia | 762 | 863 | 886 | 790 | 575 | 67 |
| Iraq | 698 | 625 | 661 | 656 | 620 | 64 |
| South Africa | 369 | 457 | 528 | 524 | 535 | 54 |
| United Arab Emirates | 225 | 277 | 296 | 417 | 408 | 41 |
| China | 260 | 268 | 430 | 311 | 350 | 37 |
| Angola | 365 | 221 | 205 | 267 | 310 | 34 |
| Philippines | 199 | 205 | 244 | 267 | 310 | 34 |
| Others | 3,336 | 3,209 | 3,335 | 3,507 | 3,557 | 3,66 |
| Total Foreign | 8,536 | 8,581 | 9,112 | 9,292 | 9,300 | 9,7 |
| United States | 54 | 60 | 61 | 59 | 63 | (|
| Total | 8,590 | 8,641 | 9,173 | 9,351 | 9,363 | 9,77 |
| otal Exports | | | | | | |
| Brazil | 3,558 | 3,841 | 3,889 | 3,847 | 3,685 | 3,77 |
| European Union | 1,133 | 1,179 | 1,276 | 1,335 | 1,425 | 1,50 |
| Thailand | 546 | 622 | 690 | 757 | 850 | 91 |
| China | 430 | 401 | 386 | 436 | 460 | 4 |
| Turkey | 348 | 292 | 263 | 357 | 380 | 4 |
| Ukraine | 168 | 158 | 236 | 262 | 300 | 3. |
| Belarus | 113 | 135 | 145 | 150 | 175 | 18 |
| Russia | 50 | 71 | 104 | 124 | 150 | 18 |
| Argentina | 278 | 187 | 158 | 178 | 125 | 14 |
| Canada | 137 | 133 | 134 | 134 | 125 | 13 |
| Others | 352 | 357 | 358 | 319 | 320 | 33 |
| Total Foreign | 7,113 | 7,376 | 7,639 | 7,899 | 7,995 | 8,37 |
| United States | 3,359 | 2,932 | 3,086 | 3,140 | 3,158 | 3,24 |
| Total | 10,472 | 10,308 | 10,725 | 11,039 | 11,153 | 11,61 |

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.

Technical Notes Regarding New Chicken Meat PSD Series

Claire Mezoughem, Agricultural Economist

HIGHLIGHT:

USDA-FAS is implementing new chicken meat PSDs and will discontinue broiler meat PSDs.

How Will Data Be Impacted?

This circular will now provide chicken meat estimates and forecasts. Historical data for the new series will be provided back to 1999 via the PSD database (http://www.fas.usda.gov/psdonline). With minor exceptions, countries included in the broiler meat PSDs will be included in the chicken meat PSDs. The prior broiler meat PSD series has been discontinued and will not be revised or updated in the future. It will terminate with 2016 data. Historical data will remain available via the PSD database.

What is Chicken Meat?

Chicken Meat: Meat of domestic fowl (*Gallus gallus/Gallus domesticus*) including all chickens: broiler, layer, hybrid, domestic breeds, spent hens, ex-breeding stock, etc.

What is Ready-to-Cook (RTC)?

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.

How Are Stocks Estimated?

Only those stocks reported through official sources are included. This may include government-held or private stocks, or both.

What is Consumption?

"Human Domestic Consumption" is defined as product consumed by humans. "Other Uses, Loss" captures non-human use such as animal feed, chemicals, pharmaceuticals, etc. plus loss. "Total Domestic Consumption" is the sum of these two attributes.

What HS Codes Comprise Imports and Exports?

The HS Codes Included: 0207.11, 0207.12, 0207.13, 0207.14, and 1602.32. For major traders, chicken paws are excluded.

Livestock and Poultry: World Markets and Trade

Which FAS Overseas Offices Currently Submit Poultry Reports?

FAS Offices which currently submit poultry reports are Argentina, Brazil, Canada, China, EU, Japan, South Korea, Mexico, Russia, Saudi Arabia, South Africa, Thailand, Turkey, Ukraine and UAE. These reports are available at https://gain.fas.usda.gov/Pages/Default.aspx.

For more information, contact: Claire Mezoughem | USDA-FAS, Office of Global Analysis, Global Commodity Analysis Division | Claire.Mezoughem@usda.gov, (202) 720-7715

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 broiler meat trade.

Data Revisions in PSDs for Years Prior to 2017:

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

| Commodity/Attribute | Years | Countries |
|---------------------|-----------|--|
| | | |
| Cattle | | |
| Slaughter | 2009-2016 | Canada |
| Beef | | |
| Production | 2011-2016 | Canada, Japan, Ukraine |
| Trade | 2009-2016 | Angola, Canada, Iran, Russia, UAE |
| Swine | | |
| Stocks | 2014-2016 | Canada, Mexico, South Korea |
| Pork | | |
| Production | 2013-2016 | Panama, Serbia |
| Trade | 2008-2016 | European Union, Macedonia, Montenegro, Singapore, South Africa |

Assumptions

• **Diseases:** Forecast reflects disease (African swine fever, avian influenza, bovine spongiform encephalopathy, etc.) policies and restrictions in place as of October 11, 2018 and assumes their continuation.

Conversion Rates and HS Codes

| | Beef & Veal | Pork | Chicken Meat |
|-----------------|----------------------------|---------------------------------------|-------------------------------|
| Conversion Rate | 1.4 | 1.3 | None |
| HS Codes | Fresh/Chilled: 0201 | Fresh/Chilled: 020311, 020312, 020319 | Fresh/Chilled: 020711, 020713 |
| | Frozen: 0202 | Frozen: 020321, 020322, 020329 | Frozen: 020712, 020714 |
| | Processed: 021020 & 160250 | Processed: 021011, 021012, 021019, | Processed: 160232 |
| | | 160241, 160242, 160249 | |

Note: There are several exceptions by country/product. In general, chicken paws are excluded. Also, beef and veal estimates include meat of other bovines for certain countries. In particular, Indian estimates include carabeef (water buffalo).

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.

Livestock and Poultry: World Markets and Trade

FAS Reports from Overseas Offices

The *Livestock and Poultry: World Markets and Trade* circular is based on post reports submitted since July 2018 and on available secondary information. The individual country reports can be obtained on FAS Online at: http://gain.fas.usda.gov/Pages/Default.aspx.

PSD Online

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

Additional Resources

Please refer to the USDA-FAS Dairy, Livestock and Poultry website at: http://www.fas.usda.gov/commodities/livestock-and-meats for additional data and analysis.

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. The next release of this circular will be in April 2019.

Questions may be directed to the following staff:

| Lindsay Kuberka | (202) 644-4650 | <u>Lindsay.Kuberka@usda.gov</u> | Swine and Pork |
|------------------|----------------|---------------------------------|-----------------|
| Tyler Cozzens | (202) 690-2993 | Tyler.Cozzens@usda.gov | Cattle and Beef |
| Claire Mezoughem | (202) 720-7715 | Claire.Mezoughem@usda.gov | Poultry |