## Citrus: World Markets and Trade

## U.S. Production and Exports Forecast Down Despite Global Gains

Global 2020/21 citrus production of the countries and commodities included in Citrus: World Markets and Trade is estimated up 4 percent to 98 million metric tons (tons). Oranges account for half of the production followed by tangerines/mandarins, lemons/limes, and grapefruit. China is the largest producer followed by Brazil and the EU. The United States is the fifth largest producer although production is estimated to drop 13 percent in line with a long-term decline. Citrus greening has been a key factor in this decline with production less than one-third of what it was 20 years ago. In addition, citrus area is down by nearly 40 percent.

Global exports are estimated at 11 million tons with oranges representing over 40 percent and tangerines/mandarins nearly 30 percent. Exports are propelled by tangerines/mandarins from China, South Africa, and Turkey and to a lesser extent higher lemon exports from Mexico, South Africa, and Turkey. South Africa is the largest exporter followed by Turkey and Egypt. U.S. citrus exports are dropping primarily due to lower orange exports and haven't been able to participate in rising global tangerine or lemon trade due to reduced exportable supplies. The United States is the seventh largest exporter, and shipments are down for every commodity except tangerines/mandarins. Tangerines/mandarins are the only U.S. commodity with increasing production.


## Oranges

Global orange production for 2020/21 is estimated up 2.5 million tons from the previous year to 48.6 million as favorable weather leads to a larger crop in Brazil (up 7 percent) and Mexico (up nearly 60 percent). Most of the higher production is expected to go into fruit for processing, leaving consumption and exports flat.


Brazil production is forecast up 7 percent to 15.9 million tons. Although orange trees are in the on-year of the biennial production cycle, adverse weather notably affected the production potential for the upcoming season. Consumption is lowered slightly while oranges for processing are up 1.3 million tons to 11.2 million.

China production is projected up slightly to 7.5 million tons on favorable weather. Consumption is flat and imports are down. However, exports are estimated to more than double as logistics improved and as demand recovers in key export markets such as Malaysia, the Philippines, and Vietnam.
U.S. production is estimated to drop 12 percent to 4.2 million tons. Production has been trending lower for years due to citrus greening with production less than one-third of what it was 20 years ago. In addition, area is down by nearly 40 percent. Consumption, exports, and fruit for processing are all lower with the drop in supplies.

European Union production is expected to rise 5 percent to 6.5 million tons due to favorable weather and an increase in area harvested. Fresh consumption is flat while oranges for processing and exports are both up on higher supplies. Imports are projected down with the higher production.

Mexico production is estimated to rebound to 4.0 million tons due to favorable weather following last year's drought. Consumption and fruit used for processing is projected to climb with the rise in supplies. Imports and exports are anticipated to remain unchanged. Over 95 percent of Mexico's exports are projected to go to the United States. Most of the oranges shipped are navel oranges grown in the state of Sonora.

Egypt production is estimated to decrease 6 percent to 3.4 million tons as strong winds and high temperatures affected flowering and fruit set. Exports are projected lower on reduced supplies but are still anticipated to account for one-third of global trade. Top export markets are expected to continue to include the EU, Russia, Saudi Arabia, and China.

South Africa production is expected to increase 2 percent to 1.7 million tons with favorable weather, improved water management, a rise in area harvested, and new plantings of high yielding and late maturing varieties. Exports are estimated at a record 1.3 million tons with the EU projected to remain the top market, accounting for about 45 percent of shipments.

Turkey production is estimated to drop 24 percent to 1.3 million tons due to hot weather conditions in May 2020 which negatively affected the bloom. Consumption and exports are down as a result of fewer supplies.

Morocco production is estimated to rise over one-third to 1.1 million tons due to favorable weather. Consumption and fruit for processing are also projected up as a result of the greater supplies. Exports are only up slightly reflecting strong domestic demand and export competition in the target markets.

Argentina production is projected to drop 30,000 tons to 670,000 as a result of the drought that affected the crop during the spring of 2020. Consumption and exports are estimated lower with the reduced supplies. The EU and Paraguay are expected to remain the top markets.

## Orange Juice

Global orange juice production for 2020/21 is estimated 13 percent higher to 1.6 million tons ( 65 degrees brix). With more oranges projected to be available for processing, higher production in Brazil and Mexico is expected to more than offset the U.S. decline. Consumption is projected to continue its long-term decline, although trade is estimated higher with growth in exports from Brazil and Mexico.


Brazil production is forecast up 12 percent to 1.0 million tons as a result of more oranges available for processing. Similarly, consumption and exports are forecast higher. Brazil remains the largest producer and is projected to account for three-fourths of global orange juice exports. Stocks are forecast down on lower storage in the tanks at orange juice facilities in Brazil.
U.S. production is estimated to fall 18 percent to 245,000 tons with the drop in oranges available for processing. Consumption, exports, and stocks are expected down with the lower production. Consequently, imports are up sharply.

Mexico production is projected to more than double to 200,000 tons because of a rebound in orange production. Consumption and exports are estimated to climb with the increase in available supplies, keeping stocks unchanged.

European Union production is estimated up 24 percent to 89,000 tons on a greater quantity of oranges available for processing, especially from Spain and Italy. Consumption is expected to grow slightly as a result of increased domestic supplies and growing consumer interest in products that contain vitamin C. Brazil is expected to remain the leading supplier of orange juice to the EU. However, imports are projected down commensurate with higher domestic production.

## Tangerines/Mandarins

Global production for 2020/21 is estimated up 4 percent to a record 33.3 million tons with growth expected in nearly every market. Consumption and exports are both up on higher supplies. Production and consumption have been trending higher over that last 20 years on growth from China, the EU, Turkey, and the United States.


China production is projected to rise 1.0 million tons to a record 23.0 million due to favorable weather and rapid expansion in crop area devoted to newer easy-to-peel varieties. Consumption and exports are also estimated at record highs with the increase in supplies. Top export markets are expected to include the Philippines, Thailand, and Vietnam.

European Union production is expected to rise 597,000 tons to 3.4 million as a result of higher production in Spain and Italy due to favorable weather conditions. With greater supplies, consumption is up to a new record, exports are projected to rise, and imports are down. Morocco and South Africa are anticipated to remain the leading suppliers to the EU market. Switzerland, Ukraine, and Norway are expected to be top export markets.

Turkey production is estimated up 14 percent to 1.6 million tons due to favorable timing of rains and temperatures. Consumption and exports are projected to rise on greater supplies with Russia expected to remain the top market.

Morocco production is projected to jump nearly one-third to 1.2 million tons due to favorable weather during the flowering period. Consumption and exports are also estimated to rise with the greater supplies. Top export markets are expected to continue to be Canada, the EU, and Russia.
U.S. production is expected up 6 percent to 909,000 tons due to favorable weather. Consumption is unchanged. Greater supplies yield higher fruit for processing and exports and lower imports.

## Grapefruit

Global production in 2020/21 is estimated down less than 1 percent to 6.7 million tons due to unfavorable weather in the United States and Turkey that more than offset higher production in China, Mexico, and South Africa. Consumption is expected flat while exports are estimated slightly higher on gains in China and South Africa.

## Lemons/Limes

Global production in 2020/21 is estimated flat at 8.4 million tons as increased production in Mexico, the EU, and Turkey nearly offset declines in Argentina and the United States. Consumption and exports are projected up while fruit for processing is expected to fall nearly 20 percent on estimated lower processing in Argentina, Mexico, and the United States. This is the first production decrease in 3 years for the United States, with the drop attributed to lower yields in the San Joaquin Valley due to drought. In Argentina less fruit is available for processing with the drop in production. In Mexico more fruit is expected to be consumed domestically with increased demand for products that contain vitamin C . Global trade is estimated higher as exports from Mexico and Turkey more than offset a decline from Argentina.

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## Future Releases and Contact Information

Please visit https://www.fas.usda.gov/data/citrus-world-markets-and-trade to view archived and future releases. The next release of this circular is scheduled for January 2022.

## FAS Reports from Overseas Offices

The Citrus: World Markets and Trade circular is based on reports from FAS Overseas Posts since December 2020 and on available secondary information. Individual country reports can be obtained on FAS Online at: https://gain.fas.usda.gov/Pages/Default.aspx.

European Union definition: includes 28 countries in the customs union (Austria, Belgium/Luxembourg, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Malta, Netherlands, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, and United Kingdom).

Effective January 1, 2021, the separation of the United Kingdom (UK) from the European Union (EU) was complete, including trade between both entities. Starting in January 2022 with the release of 2021/22 data, citrus PSDs will reflect EU27 (shown in the PSD system as "European Union") and UK separately. Historical data for both EU27 and the UK will be provided for 5 years (2016/17 through 2020/21).

## PSD Online

The entire USDA PSD database is available online at:
https://apps.fas.usda.gov/psdonline/app/index.html\#/app/home

## Global Agricultural Trade System (GATS)

U.S. Exports and Imports at: https://apps.fas.usda.gov/gats/default.aspx

## Additional Resources

Please refer to the USDA-FAS Citrus website at: https://www.fas.usda.gov/commodities/fruits-and-vegetables/citrus-fruit for additional data and analysis.

Situation and outlook information on U.S. citrus can be obtained from the USDA-Economic Research Service at: https://www.ers.usda.gov/topics/crops/fruit-tree-nuts.aspx Publications are available from the National Agricultural Statistics Service at: http://www.nass.usda.gov/Publications/

To receive the circular via email, go to: https://public.govdelivery.com/accounts/USDAFAS/subscriber/new

|  | 2016/17 | 2017/18 | 2018/19 | 2019/20 | $\begin{array}{r} \text { Jan } \\ 2020 / 21 \\ \hline \end{array}$ | $\begin{array}{r} \text { Jul } \\ 2020 / 21 \\ \hline \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Production |  |  |  |  |  |  |
| Brazil | 20,890 | 15,953 | 19,298 | 14,870 | 16,932 | 15,942 |
| China | 7,000 | 7,300 | 7,200 | 7,400 | 7,500 | 7,500 |
| European Union | 6,739 | 6,270 | 6,800 | 6,205 | 6,556 | 6,531 |
| United States | 4,616 | 3,515 | 4,923 | 4,766 | 4,113 | 4,175 |
| Mexico | 4,630 | 4,737 | 4,716 | 2,530 | 4,010 | 4,010 |
| Egypt | 3,000 | 3,120 | 3,600 | 3,200 | 3,400 | 3,400 |
| South Africa | 1,363 | 1,586 | 1,590 | 1,620 | 1,700 | 1,650 |
| Turkey | 1,850 | 1,905 | 1,900 | 1,700 | 1,360 | 1,300 |
| Morocco | 1,037 | 1,021 | 1,183 | 806 | 1,100 | 1,100 |
| Vietnam | 768 | 855 | 1,017 | 1,017 | 770 | 1,017 |
| Argentina | 700 | 750 | 800 | 700 | 700 | 670 |
| Australia | 526 | 528 | 515 | 485 | 535 | 535 |
| Costa Rica | 322 | 315 | 295 | 290 | 285 | 285 |
| Guatemala | 177 | 178 | 178 | 180 | 180 | 180 |
| Iraq | 73 | 75 | 73 | 134 | 75 | 134 |
| Other | 168 | 166 | 153 | 147 | 145 | 143 |
| Total | 53,859 | 48,274 | 54,241 | 46,050 | 49,361 | 48,572 |
| Fresh Dom. Consumption |  |  |  |  |  |  |
| China | 6,718 | 7,058 | 7,059 | 7,236 | 7,355 | 7,190 |
| European Union | 5,950 | 5,834 | 6,151 | 6,078 | 6,121 | 6,080 |
| Brazil | 4,761 | 4,982 | 4,961 | 4,967 | 4,749 | 4,779 |
| Mexico | 2,473 | 2,785 | 2,486 | 1,596 | 1,975 | 1,975 |
| Egypt | 1,380 | 1,480 | 1,540 | 1,490 | 1,550 | 1,550 |
| United States | 1,184 | 1,216 | 1,259 | 1,415 | 1,248 | 1,315 |
| Vietnam | 811 | 917 | 1,068 | 1,062 | 820 | 1,092 |
| Turkey | 1,402 | 1,386 | 1,539 | 1,339 | 1,036 | 1,014 |
| Morocco | 822 | 826 | 968 | 654 | 900 | 930 |
| Russia | 425 | 458 | 457 | 414 | 444 | 454 |
| Saudi Arabia | 374 | 380 | 402 | 369 | 395 | 430 |
| Argentina | 350 | 320 | 410 | 429 | 390 | 420 |
| Iraq | 258 | 337 | 266 | 303 | 205 | 309 |
| United Arab Emirates | 204 | 181 | 189 | 232 | 190 | 239 |
| Guatemala | 213 | 197 | 212 | 218 | 220 | 235 |
| Other | 1,521 | 1,629 | 1,547 | 1,542 | 1,581 | 1,508 |
| Total | 28,846 | 29,986 | 30,514 | 29,344 | 29,179 | 29,520 |
| For Processing |  |  |  |  |  |  |
| Brazil | 16,116 | 10,975 | 14,362 | 9,915 | 12,199 | 11,179 |
| United States | 3,001 | 2,010 | 3,378 | 3,044 | 2,600 | 2,605 |
| Mexico | 2,100 | 1,900 | 2,200 | 900 | 2,000 | 2,000 |
| European Union | 1,491 | 1,154 | 1,309 | 923 | 1,135 | 1,151 |
| China | 580 | 570 | 520 | 400 | 380 | 380 |
| Egypt | 100 | 100 | 360 | 335 | 350 | 350 |
| South Africa | 123 | 239 | 333 | 282 | 302 | 285 |
| Costa Rica | 238 | 232 | 216 | 215 | 210 | 217 |
| Australia | 214 | 215 | 210 | 205 | 215 | 215 |
| Argentina | 273 | 375 | 307 | 190 | 230 | 180 |
| Other | 181 | 179 | 189 | 174 | 184 | 184 |
| Total | 24,417 | 17,949 | 23,384 | 16,583 | 19,805 | 18,746 |

Split years refer to the harvest and marketing period, which corresponds roughly to November-October in the Northern Hemisphere.

For the Southern Hemisphere, harvest occurs almost entirely during the second year shown and the harvest and marketing period begins in the second year shown:

Argentina - January through December
South Africa - February through January
Australia - April through March
Brazil - July through June.

Import and export totals may not equal due in part to different marketing years such as those listed above.

Oranges, Fresh: Production, Supply and Distribution in Selected Countries (Continued)
(1,000 Metric Tons)

|  | 2016/17 | 2017/18 | 2018/19 | 2019/20 | $\begin{array}{r} \text { Jan } \\ 2020 / 21 \\ \hline \end{array}$ | $\begin{array}{r} \hline \text { Jul } \\ 2020 / 21 \\ \hline \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Exports |  |  |  |  |  |  |
| Egypt | 1,520 | 1,540 | 1,700 | 1,375 | 1,500 | 1,500 |
| South Africa | 1,171 | 1,279 | 1,186 | 1,260 | 1,320 | 1,285 |
| United States | 613 | 511 | 479 | 507 | 490 | 465 |
| European Union | 293 | 324 | 357 | 290 | 300 | 300 |
| Turkey | 397 | 454 | 298 | 293 | 263 | 225 |
| Australia | 191 | 186 | 198 | 190 | 195 | 195 |
| Morocco | 165 | 145 | 155 | 117 | 150 | 120 |
| China | 59 | 65 | 55 | 52 | 55 | 110 |
| Argentina | 80 | 60 | 85 | 83 | 80 | 70 |
| Mexico | 76 | 72 | 60 | 65 | 65 | 65 |
| Hong Kong | 176 | 189 | 167 | 117 | 125 | 60 |
| Saudi Arabia | 15 | 13 | 15 | 12 | 15 | 10 |
| Brazil | 33 | 20 | 4 | 8 | 8 | 8 |
| Russia | 5 | 5 | 5 | 6 | 6 | 6 |
| Singapore | 6 | 5 | 6 | 4 | 5 | 4 |
| Other | 10 | 8 | 9 | 6 | 7 | 7 |
| Total | 4,810 | 4,876 | 4,779 | 4,385 | 4,584 | 4,430 |
| Imports |  |  |  |  |  |  |
| European Union | 995 | 1,042 | 1,017 | 1,086 | 1,000 | 1,000 |
| Russia | 430 | 463 | 462 | 420 | 450 | 460 |
| Saudi Arabia | 389 | 393 | 417 | 381 | 410 | 440 |
| United Arab Emirates | 204 | 181 | 190 | 233 | 190 | 240 |
| Bangladesh | 155 | 239 | 172 | 218 | 220 | 230 |
| United States | 182 | 222 | 193 | 200 | 225 | 210 |
| China | 357 | 393 | 434 | 288 | 290 | 180 |
| Iraq | 185 | 262 | 193 | 169 | 130 | 175 |
| Canada | 183 | 190 | 186 | 198 | 200 | 170 |
| Hong Kong | 315 | 347 | 332 | 270 | 275 | 170 |
| Korea, South | 143 | 141 | 126 | 116 | 115 | 110 |
| Malaysia | 98 | 92 | 106 | 87 | 90 | 95 |
| Ukraine | 73 | 88 | 95 | 89 | 90 | 86 |
| Costa Rica | 70 | 69 | 66 | 71 | 70 | 80 |
| Japan | 92 | 83 | 85 | 91 | 93 | 80 |
| Switzerland | 68 | 70 | 70 | 73 | 75 | 75 |
| Vietnam | 43 | 62 | 51 | 45 | 50 | 75 |
| Guatemala | 36 | 19 | 34 | 38 | 40 | 55 |
| Turkey | 49 | 33 | 42 | 42 | 44 | 44 |
| Singapore | 42 | 43 | 44 | 42 | 42 | 42 |
| Norway | 35 | 32 | 33 | 30 | 32 | 32 |
| Mexico | 19 | 20 | 30 | 31 | 30 | 30 |
| Brazil | 20 | 24 | 29 | 20 | 24 | 24 |
| Australia | 21 | 14 | 16 | 16 | 15 | 15 |
| Mozambique | 5 | 6 | 7 | 4 | 5 | 4 |
| Other | 5 | 9 | 6 | 4 | 2 | 2 |
| Total | 4,214 | 4,537 | 4,436 | 4,262 | 4,207 | 4,124 |

Split years refer to the harvest and marketing period, which corresponds roughly to November-October in the Northern Hemisphere.
For the Southern Hemisphere, harvest occurs almost entirely during the second year shown and the harvest and marketing period begins in the second year shown:

Argentina - January through December
South Africa - February through January
Australia - April through March
Brazil - July through June.

Import and export totals may not equal due in part to different marketing years such as those listed above.
(1,000 Metric Tons at 65 Degrees Brix)

|  | 2016/17 | 2017/18 | 2018/19 | 2019/20 | $\begin{array}{r} \text { Jan } \\ 2020 / 21 \\ \hline \end{array}$ | $\begin{array}{r} \text { Jul } \\ 2020 / 21 \\ \hline \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Production |  |  |  |  |  |  |
| Brazil | 1,447 | 1,004 | 1,324 | 938 | 1,157 | 1,048 |
| United States | 303 | 187 | 329 | 297 | 250 | 245 |
| Mexico | 210 | 190 | 220 | 90 | 200 | 200 |
| European Union | 116 | 89 | 101 | 72 | 88 | 89 |
| South Africa | 19 | 49 | 63 | 49 | 52 | 50 |
| China | 45 | 44 | 40 | 31 | 31 | 31 |
| Australia | 17 | 17 | 16 | 16 | 17 | 17 |
| Other | 18 | 17 | 18 | 16 | 17 | 17 |
| Total | 2,174 | 1,596 | 2,112 | 1,508 | 1,812 | 1,697 |
| Domestic Consumption |  |  |  |  |  |  |
| European Union | 741 | 736 | 700 | 691 | 702 | 692 |
| United States | 581 | 572 | 530 | 549 | 473 | 497 |
| China | 97 | 110 | 108 | 89 | 90 | 90 |
| Canada | 86 | 85 | 83 | 83 | 83 | 83 |
| Brazil | 38 | 40 | 52 | 63 | 75 | 70 |
| Japan | 72 | 73 | 70 | 60 | 68 | 68 |
| Australia | 32 | 30 | 32 | 34 | 33 | 33 |
| Other | 86 | 79 | 80 | 80 | 83 | 84 |
| Total | 1,733 | 1,725 | 1,655 | 1,649 | 1,607 | 1,617 |
| Ending Stocks |  |  |  |  |  |  |
| United States | 268 | 261 | 376 | 300 | 285 | 289 |
| Brazil | 185 | 160 | 312 | 155 | 136 | 83 |
| South Africa | 0 | 6 | 36 | 49 | 49 | 50 |
| Japan | 12 | 23 | 26 | 40 | 38 | 38 |
| European Union | 15 | 15 | 15 | 15 | 15 | 15 |
| Other | 4 | 7 | 25 | 8 | 8 | 8 |
| Total | 485 | 472 | 791 | 567 | 531 | 482 |
| Exports |  |  |  |  |  |  |
| Brazil | 1,230 | 989 | 1,120 | 1,032 | 1,080 | 1,050 |
| Mexico | 204 | 182 | 195 | 105 | 195 | 195 |
| European Union | 63 | 58 | 60 | 67 | 67 | 67 |
| South Africa | 28 | 39 | 30 | 30 | 40 | 40 |
| United States | 57 | 35 | 30 | 34 | 34 | 29 |
| Other | 33 | 37 | 32 | 23 | 25 | 24 |
| Total | 1,614 | 1,341 | 1,466 | 1,290 | 1,441 | 1,405 |
| Imports |  |  |  |  |  |  |
| European Union | 688 | 704 | 658 | 686 | 681 | 670 |
| United States | 301 | 413 | 346 | 210 | 245 | 270 |
| Canada | 90 | 86 | 83 | 83 | 83 | 83 |
| Japan | 71 | 84 | 75 | 76 | 68 | 68 |
| China | 55 | 68 | 70 | 60 | 61 | 61 |
| Russia | 35 | 31 | 33 | 32 | 33 | 32 |
| Australia | 17 | 19 | 18 | 20 | 18 | 18 |
| Other | 47 | 51 | 45 | 40 | 39 | 39 |
| Total | 1,305 | 1,456 | 1,328 | 1,207 | 1,228 | 1,241 |

For 2007/08 and after, one metric ton of 65 degrees brix equals 344.8 gallons at 42 degrees brix and $1,392.6$ gallons at single strength equivalent. One metric ton of 65 degrees brix equals 344.8 gallons at 42 degrees brix and $1,405.88$ gallons at single strength equivalent for 2006/2007 and earlier.

Split years refer to the harvest and marketing period, which corresponds roughly to October-September in the Northern Hemisphere.

For the Southern Hemisphere, harvest occurs almost entirely during the second year shown and the harvest and marketing period begins in the second year shown:
South Africa - February through January
Australia - April through March
Brazil - July through June

Import and export totals may not equal due in part to different marketing years such as those listed above.

|  | 2016/17 | 2017/18 | 2018/19 | 2019/20 | $\begin{array}{r} \text { Jan } \\ 2020 / 21 \end{array}$ | $\begin{array}{r} \text { Jul } \\ 2020 / 21 \\ \hline \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Production |  |  |  |  |  |  |
| China | 20,600 | 21,200 | 22,000 | 23,000 | 23,120 | 23,120 |
| European Union | 3,421 | 2,913 | 3,209 | 2,827 | 3,117 | 3,424 |
| Turkey | 1,300 | 1,550 | 1,650 | 1,400 | 1,750 | 1,600 |
| Morocco | 1,278 | 1,185 | 1,375 | 926 | 1,205 | 1,205 |
| Japan | 1,070 | 968 | 994 | 960 | 973 | 973 |
| United States | 933 | 729 | 1,004 | 856 | 882 | 909 |
| Korea, South | 600 | 577 | 608 | 631 | 660 | 660 |
| South Africa | 261 | 356 | 375 | 461 | 515 | 500 |
| Argentina | 320 | 350 | 430 | 330 | 360 | 360 |
| Australia | 160 | 157 | 175 | 160 | 175 | 175 |
| Other | 403 | 340 | 394 | 357 | 307 | 337 |
| Total | 30,346 | 30,325 | 32,214 | 31,908 | 33,064 | 33,263 |
| Fresh Dom. Consumption |  |  |  |  |  |  |
| China | 19,416 | 20,058 | 20,735 | 21,768 | 21,860 | 21,860 |
| European Union | 3,265 | 2,953 | 3,175 | 2,983 | 3,097 | 3,354 |
| United States | 862 | 876 | 956 | 1,002 | 1,012 | 1,002 |
| Japan | 991 | 904 | 949 | 899 | 923 | 923 |
| Russia | 841 | 836 | 903 | 819 | 860 | 915 |
| Turkey | 614 | 836 | 969 | 602 | 788 | 729 |
| Morocco | 761 | 646 | 752 | 515 | 705 | 705 |
| Other | 1,785 | 1,780 | 2,000 | 1,975 | 2,015 | 2,255 |
| Total | 28,535 | 28,889 | 30,439 | 30,563 | 31,260 | 31,743 |
| For Processing |  |  |  |  |  |  |
| China | 650 | 640 | 620 | 620 | 610 | 610 |
| European Union | 372 | 226 | 271 | 230 | 255 | 270 |
| United States | 309 | 171 | 317 | 200 | 230 | 230 |
| Korea, South | 56 | 72 | 63 | 77 | 90 | 90 |
| Argentina | 110 | 116 | 113 | 76 | 105 | 85 |
| Japan | 98 | 79 | 64 | 80 | 68 | 68 |
| South Africa | 24 | 75 | 59 | 47 | 68 | 58 |
| Other | 59 | 36 | 46 | 44 | 34 | 34 |
| Total | 1,678 | 1,415 | 1,553 | 1,374 | 1,460 | 1,445 |
| Exports |  |  |  |  |  |  |
| Turkey | 710 | 739 | 712 | 827 | 991 | 900 |
| China | 584 | 556 | 706 | 657 | 700 | 700 |
| Morocco | 517 | 539 | 623 | 411 | 500 | 500 |
| South Africa | 210 | 261 | 296 | 389 | 420 | 415 |
| European Union | 236 | 217 | 246 | 172 | 245 | 250 |
| Israel | 120 | 88 | 102 | 98 | 90 | 90 |
| Australia | 70 | 61 | 87 | 62 | 80 | 80 |
| Other | 81 | 73 | 85 | 83 | 79 | 95 |
| Total | 2,528 | 2,534 | 2,857 | 2,699 | 3,105 | 3,030 |
| Imports |  |  |  |  |  |  |
| Russia | 841 | 836 | 903 | 819 | 860 | 915 |
| European Union | 452 | 483 | 483 | 558 | 480 | 450 |
| United States | 274 | 353 | 314 | 391 | 400 | 375 |
| Vietnam | 118 | 143 | 160 | 204 | 210 | 300 |
| Ukraine | 138 | 154 | 171 | 185 | 190 | 195 |
| Canada | 154 | 154 | 157 | 159 | 170 | 165 |
| Philippines | 68 | 87 | 101 | 112 | 115 | 165 |
| Thailand | 116 | 73 | 85 | 71 | 90 | 130 |
| Indonesia | 69 | 60 | 73 | 69 | 70 | 100 |
| Malaysia | 64 | 67 | 69 | 58 | 70 | 55 |
| Other | 101 | 103 | 119 | 102 | 106 | 105 |
| Total | 2,395 | 2,513 | 2,635 | 2,728 | 2,761 | 2,955 |

Split years refer to the harvest and marketing period, which corresponds roughly to October-September in the Northern Hemisphere and April-March in the Southern Hemisphere. For the Southern Hemisphere, harvest occurs almost entirely during the second year shown.

Import and export totals may not equal due in part to different marketing years such as those listed above.

## Grapefruit, Fresh: Production, Supply and Distribution in Selected Countries

## (1,000 Metric Tons)

|  | 2016/17 | 2017/18 | 2018/19 | 2019/20 | $\begin{array}{r} \text { Jan } \\ 2020 / 21 \\ \hline \end{array}$ | $\begin{array}{r} \text { Jul } \\ 2020 / 21 \\ \hline \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Production |  |  |  |  |  |  |
| China | 4,600 | 4,800 | 4,900 | 4,930 | 4,950 | 4,950 |
| Mexico | 442 | 418 | 473 | 460 | 495 | 495 |
| United States | 633 | 462 | 548 | 518 | 512 | 405 |
| South Africa | 354 | 403 | 372 | 345 | 360 | 373 |
| Turkey | 253 | 260 | 250 | 270 | 290 | 251 |
| Israel | 149 | 144 | 139 | 143 | 130 | 130 |
| European Union | 106 | 107 | 108 | 95 | 96 | 103 |
| Other | 25 | 26 | 26 | 26 | 26 | 26 |
| Total | 6,562 | 6,620 | 6,816 | 6,787 | 6,859 | 6,733 |
| Fresh Dom. Consumption |  |  |  |  |  |  |
| China | 4,460 | 4,670 | 4,713 | 4,797 | 4,808 | 4,805 |
| European Union | 398 | 447 | 397 | 404 | 415 | 406 |
| Mexico | 335 | 311 | 361 | 343 | 381 | 381 |
| United States | 282 | 231 | 213 | 247 | 234 | 197 |
| Russia | 106 | 134 | 158 | 121 | 125 | 125 |
| Turkey | 131 | 71 | 112 | 87 | 91 | 91 |
| Japan | 108 | 96 | 89 | 85 | 89 | 76 |
| Ukraine | 15 | 27 | 29 | 39 | 42 | 43 |
| Canada | 37 | 35 | 35 | 37 | 37 | 38 |
| Hong Kong | 5 | 5 | 6 | 7 | 7 | 12 |
| Other | 21 | 22 | 23 | 21 | 23 | 23 |
| Total | 5,898 | 6,049 | 6,136 | 6,188 | 6,252 | 6,197 |
| For Processing |  |  |  |  |  |  |
| United States | 268 | 191 | 292 | 230 | 235 | 181 |
| South Africa | 118 | 111 | 107 | 94 | 92 | 105 |
| Mexico | 88 | 90 | 94 | 95 | 94 | 94 |
| Israel | 80 | 68 | 77 | 78 | 60 | 60 |
| European Union | 19 | 17 | 19 | 14 | 14 | 15 |
| Other | 1 | 2 | 2 | 3 | 3 | 3 |
| Total | 574 | 479 | 591 | 514 | 498 | 458 |
| Exports |  |  |  |  |  |  |
| South Africa | 231 | 288 | 258 | 244 | 260 | 260 |
| China | 180 | 208 | 248 | 209 | 220 | 250 |
| Turkey | 125 | 189 | 138 | 184 | 200 | 161 |
| Israel | 61 | 68 | 54 | 59 | 63 | 63 |
| United States | 108 | 58 | 57 | 56 | 56 | 46 |
| Mexico | 20 | 18 | 20 | 23 | 21 | 21 |
| Hong Kong | 15 | 32 | 21 | 24 | 24 | 19 |
| Other | 15 | 17 | 16 | 17 | 17 | 17 |
| Total | 755 | 878 | 812 | 816 | 861 | 837 |
| Imports |  |  |  |  |  |  |
| European Union | 326 | 374 | 324 | 340 | 350 | 335 |
| Russia | 106 | 134 | 158 | 121 | 125 | 125 |
| China | 40 | 78 | 61 | 76 | 78 | 105 |
| Japan | 84 | 71 | 64 | 61 | 65 | 52 |
| Ukraine | 15 | 27 | 29 | 39 | 42 | 43 |
| Canada | 37 | 35 | 35 | 37 | 37 | 38 |
| Hong Kong | 20 | 37 | 27 | 31 | 31 | 31 |
| United States | 25 | 18 | 14 | 15 | 13 | 19 |
| Switzerland | 7 | 7 | 7 | 7 | 7 | 7 |
| Turkey | 3 | 1 | 1 | 2 | 2 | 2 |
| Other | 2 | 4 | 3 | 2 | 2 | 2 |
| Total | 665 | 786 | 723 | 731 | 752 | 759 |

Split years refer to the harvest and marketing period, which corresponds roughly to October-September in the Northern Hemisphere and April-March in the Southern Hemisphere. For the Southern Hemisphere, harvest occurs almost entirely during the second year shown.

Import and export totals may not equal due in part to different marketing years such as those listed above.

## Lemons and Limes, Fresh: Production, Supply and Distribution in Selected Countries

(1,000 Metric Tons)

|  | 2016/17 | 2017/18 | 2018/19 | 2019/20 | $\begin{array}{r} \text { Jan } \\ 2020 / 21 \\ \hline \end{array}$ | $\begin{array}{r} \text { Jul } \\ 2020 / 21 \\ \hline \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Production |  |  |  |  |  |  |
| Mexico | 2,513 | 2,311 | 2,686 | 2,717 | 2,870 | 2,870 |
| European Union | 1,535 | 1,472 | 1,683 | 1,480 | 1,640 | 1,654 |
| Argentina | 1,450 | 1,770 | 1,780 | 1,491 | 1,030 | 1,150 |
| Turkey | 850 | 1,000 | 1,100 | 950 | 1,000 | 1,100 |
| United States | 800 | 806 | 909 | 983 | 940 | 835 |
| South Africa | 430 | 446 | 492 | 620 | 670 | 625 |
| Israel | 67 | 65 | 68 | 75 | 70 | 70 |
| Other | 99 | 91 | 92 | 99 | 94 | 94 |
| Total | 7,744 | 7,961 | 8,810 | 8,415 | 8,314 | 8,398 |
| Fresh Dom. Consumption |  |  |  |  |  |  |
| European Union | 1,692 | 1,786 | 1,773 | 1,658 | 1,818 | 1,757 |
| Mexico | 1,397 | 1,190 | 1,542 | 1,412 | 1,671 | 1,671 |
| United States | 1,222 | 1,222 | 1,361 | 1,403 | 1,515 | 1,345 |
| Turkey | 319 | 417 | 476 | 522 | 513 | 484 |
| Russia | 210 | 216 | 229 | 218 | 236 | 236 |
| Argentina | 90 | 151 | 170 | 160 | 110 | 140 |
| Saudi Arabia | 128 | 131 | 126 | 131 | 128 | 135 |
| Canada | 95 | 98 | 102 | 109 | 110 | 110 |
| United Arab Emirates | 93 | 84 | 105 | 96 | 85 | 100 |
| Ukraine | 47 | 50 | 55 | 59 | 62 | 65 |
| Other | 206 | 204 | 207 | 201 | 202 | 200 |
| Total | 5,499 | 5,549 | 6,146 | 5,969 | 6,450 | 6,243 |
| For Processing |  |  |  |  |  |  |
| Argentina | 1,122 | 1,348 | 1,377 | 1,078 | 731 | 831 |
| European Union | 284 | 232 | 376 | 320 | 290 | 362 |
| Mexico | 388 | 396 | 397 | 507 | 350 | 350 |
| United States | 164 | 189 | 240 | 305 | 255 | 240 |
| South Africa | 115 | 113 | 122 | 138 | 145 | 139 |
| Turkey | 40 | 50 | 50 | 50 | 50 | 50 |
| Japan | 31 | 31 | 32 | 40 | 37 | 30 |
| Other | 4 | 4 | 6 | 9 | 5 | 5 |
| Total | 2,148 | 2,363 | 2,600 | 2,447 | 1,863 | 2,007 |
| Exports |  |  |  |  |  |  |
| Mexico | 731 | 729 | 751 | 801 | 852 | 852 |
| Turkey | 495 | 536 | 576 | 382 | 439 | 570 |
| South Africa | 299 | 315 | 350 | 458 | 500 | 461 |
| Argentina | 241 | 272 | 234 | 256 | 190 | 180 |
| European Union | 79 | 65 | 82 | 81 | 82 | 85 |
| United States | 112 | 97 | 96 | 93 | 80 | 85 |
| Morocco | 13 | 9 | 15 | 17 | 18 | 15 |
| Other | 26 | 17 | 14 | 11 | 12 | 10 |
| Total | 1,996 | 2,040 | 2,118 | 2,099 | 2,173 | 2,258 |
| Imports |  |  |  |  |  |  |
| United States | 698 | 702 | 788 | 818 | 910 | 835 |
| European Union | 520 | 611 | 548 | 579 | 550 | 550 |
| Russia | 213 | 219 | 232 | 222 | 240 | 240 |
| Saudi Arabia | 128 | 131 | 126 | 131 | 128 | 135 |
| Canada | 95 | 98 | 102 | 109 | 110 | 110 |
| United Arab Emirates | 87 | 79 | 100 | 91 | 80 | 95 |
| Ukraine | 47 | 50 | 55 | 59 | 62 | 65 |
| Japan | 53 | 53 | 59 | 48 | 52 | 40 |
| Hong Kong | 47 | 39 | 36 | 31 | 32 | 30 |
| Turkey | 4 | 3 | 2 | 4 | 2 | 4 |
| Other | 7 | 6 | 6 | 8 | 6 | 6 |
| Total | 1,899 | 1,991 | 2,054 | 2,100 | 2,172 | 2,110 |

Split years refer to the harvest and marketing period, which corresponds roughly to October-September in the Northern Hemisphere. For the Southern Hemisphere, harvest occurs January - December of the second year shown.

Import and export totals may not equal due in part to different marketing years such as those listed above.

