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## Report Name: Citrus Semi-annual

Country: South Africa - Republic of
Post: Pretoria
Report Category: Citrus

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## Report Highlights:

The production of South African citrus, mainly soft citrus, new orange varieties, lemons and limes is estimated to continue its strong growth in the 2020/21 Marketing Year (MY), based on the increase in area planted, improved yields, high level of new-plantings coming into full production, and the minimal impact of COVID-19 on labor and input supply. This increase is expected to be partially offset by drought conditions in some production areas of the Eastern Cape, and hail damage in some production areas of Mpumalanga. Duty free exports of all citrus types to the United States under the African Growth Opportunity Act (AGOA) reached a peak of 91,402 MT in 2020, and are expected to continue their strong annual growth in 2021, as the United States is still considered a premium market.

## Commodities:

Citrus, Other, Fresh
Grapefruit, Fresh
Oranges, Fresh
Tangerines/Mandarins, Fresh
Lemons, Fresh
Orange Juice

Exchange rate: Rand/US\$ Exchange $=13.42$ as of June 7, 2021
Marketing Year (MY) - January to December
MT - Metric Tons

## Sources:

Citrus Growers Association - http://www.cga.co.za/
Summer Citrus South Africa - https://www.summercitrus.com/
Ministry of Agriculture, Land Reform and Rural Development - https://www.daff.gov.za/
South African Revenue Services - https://www.sars.gov.za/

## Background

Citrus in South Africa is grown across the country mainly in the Limpopo, Eastern Cape, Western Cape, Mpumalanga, Kwa Zulu Natal, Northern Cape and North West provinces. Figure 1 shows the map of the citrus growing areas in South Africa. A total of 94,329 hectares was planted to citrus in South Africa in 2020, a 9 percent increase from 86,808 hectares in 2019. This growth trend is estimated to continue in 2021 to 98,700 hectares, based on the significant investments and aggressive new plantings of soft citrus, lemons, and new varieties of oranges.

The Limpopo province is the country's largest citrus production area, accounting for 40 percent of the total area planted, followed by the Eastern Cape ( 27 percent), Western Cape ( 19 percent), Mpumalanga ( 8 percent), Kwa Zulu Natal ( 3 percent), Northern Cape ( 2 percent), North West ( 1 percent), and Free State (less than 1 percent). The Western Cape and Eastern Cape have a cooler climate, which is suited for the production of the navel oranges, lemons, limes, and tangerines/mandarins (soft citrus). The Mpumalanga, Limpopo and KwaZulu-Natal provinces have a warmer climate, which is better suited to the production of grapefruit and Valencia oranges.

While oranges are the biggest citrus type produced in South Africa and account for 48 percent of the total citrus area planted, there has been notable growth in the area planted to soft citrus ( 25 percent) and lemons/limes ( 19 percent). This growth is driven by the attractive investment returns, profit margins from soft citrus and lemon production, and a spike in global demand. Table 1 shows the most common citrus varieties planted in South Africa. In 2016, the tango citrus variety, which was developed by the University of California Riverside, was granted the plant breeders right in South Africa and is expected to offer competition to the Nardocott variety. Table 2 shows that the citrus harvesting season typically ranges from February to September.

## Figure 1: Citrus Growing Areas in South Africa.



Source: Citrus Growers Association (CGA)
Table 1: Citrus Varieties

| Citrus Type | Varieties |
| :--- | :--- |
| Grape fruit | Star Ruby, Marsh, Rose, Flame, Nelspruit Ruby (Nelruby), Flamingo |
| Oranges | Valencias - Delta, Midknight, Turkey, Oukloon (Olinda, Late), Du Roi, Benny. <br> Navels - Palmer, Bahianinha, Washington, Robyn, Navelina, Lane Late, <br> Newhall, Cambria, Cara, Rustenburg, Autumn Gold |
| Mandarins/ <br> Tangarines | Clementine - Nules, Marisol, SRA, Oroval, Esbal, Clemenpons, Oronules. <br> Mandarin - Tango, Nadorcott (Afourer), Nova, Or (Orri), Minneola, Mor, <br> B17, Tambor, Naartjie, Thoro Temple, Sonet, B24 (African Sunset) <br> Satsuma - Miho Wase, Owari, Kuno, Miyagawa Wase, Okitsu Wase, Aoshima. |
| Lemons/Lime | Eureka, Eureka SL, Lisbon, Limoneira, Genoa |
| Source: CGA |  |

Table 2: South Africa Harvest Period for Citrus

| Citrus | Harvest Period |
| :--- | :--- |
| Marsh Grapefruit | March to June |
| Star Ruby Grapefruit | April to September |
| Navel Oranges | March to July |
| Valencia Oranges | July to September |
| Mandarins/Tangarines | March to August |
| Lemons/Lime | February to September |

## Source: CGA

## Grapefruit, Fresh

## Area Planted

The area planted to grapefruit is estimated to increase by 5 percent to 8,700 hectares (ha) in the 2020/21 Marketing Year (MY), from 8,259 ha in the 2019/20 MY, based on the industry responding to the increasing global demand especially in Europe, Asia and the Middle East. Figure 2 shows that while grapefruit area planted has been increasing since the $2014 / 15 \mathrm{MY}$, it has not reached the peak area planted recorded in the 2012/13 MY. Limpopo is the leading growing region for grapefruit accounting for 56 percent of the total area planted, followed by Mpumalanga ( 21 percent), Kwa-Zulu Natal (11 percent), Northern Cape ( 7 percent), Eastern Cape ( 5 percent) and the Western Cape (less than 1 percent). The predominant variety planted is the Star Ruby accounting for 84 percent of the area planted due to its high global demand, followed by the Marsh variety at 11 percent. Other grapefruit varieties planted include Rose, Redheart, Pomelit, Java Shaddock, Flame, Nartia, and Fe 1(Jackson).

Figure 2: Area Planted to Grapefruit

*Estimate
Source: CGA \& Post Estimates

## Production

The production of grapefruit is estimated to increase by 8 percent to 373,000 Metric Tons (MT) in the 2020/21 MY, from 344,626 MT in the 2019/20 MY. This is based on normal weather conditions, good rainfall received in the main growing areas, and the increase in area planted. Dam levels in all the production areas in 2020 seem to be higher than the levels in 2019, an indication that there will be sufficient irrigation water in the upcoming 2020/21 MY. Furthermore, grapefruit production tends to be
cyclical and the 2019/20 MY was a down year. Grapefruit is normally harvested between March and September, and the impact of COVID-19 on production, harvest and labor has been minimal to date.

## Consumption

Grapefruit consumption is estimated to increase to 8,500 MT in the $2020 / 21$ MY, from 8,000 MT in the 2019/20 MY. This is based on the rise in production, and to the growing awareness and perceived health benefits of grapefruit in the domestic market. Citrus has seen a surge in demand due to the assumed benefits of Vitamin C in boosting immunity against COVID-19.

Notably, grapefruit is not a very popular citrus fruit in the domestic market, with many consumers largely unfamiliar to its qualities and taste in South Africa. As a result, the fresh grapefruit per capita consumption in South Africa is still relatively low at below 1 kg per annum because the majority of the population has not acquired the taste for grapefruit.

## Processing

On average, 29 percent of total grapefruit produced is used for processing. Post estimates that the grapefruit delivered for processing will increase by 12 percent to 105,000 MT in the 2020/21 MY, from 94,000 MT in the $2019 / 20 \mathrm{MY}$, based on the increase in production. Grapefruit is processed to juice and concentrate, the majority of which is exported to Europe. The left-over pulp following commercial juice extraction is an important source of grapefruit oil which is used as a flavoring agent in many soft drinks. The inner peel is a source of pectin and citric acid, which are both used by the food industry to preserve fruits, jams, and marmalades. Naringin is also extracted from grapefruit peel, and gives tonic-water its distinctive bitter flavor. The grapefruit peel oil is used in scented fragrances.

## Exports

Post estimates that grapefruit exports will increase by 7 percent to 260,000 MT in the 2020/21 MY, from 244,334 MT in the 2019/20 MY, based on the rise in production, continued demand for citrus in global markets for health reasons, and the pace of exports up to April 2021. Citrus has seen a surge in demand due to the assumed benefits of Vitamin C in boosting immunity against COVID-19. The 2019/20 MY export of grapefruit was revised downwards to 244,334 MT based on final Trade Data Monitor figures.

Europe is the largest market for South African grapefruit exports accounting for 42 percent of total exports in 2019, followed by Asia at 39 percent. Although South Africa has a free trade agreement with the European Union (EU) which allows duty free access for its citrus exports, South Africa continues to face challenges due to Citrus Black Spot (CBS) and False Coddling Moth (FCM) in the EU market. Industry estimates that it is costing South Africa almost R1.8 Billion (US\$134 Million) to address and comply with the CBS requirements in the EU market. In 2021, South Africa ("Fruit South Africa") and China (Chamber of Commerce) signed a Memorandum of Understanding (MOU) to promote greater cooperation and statistical information exchange between the two countries` fresh fruit industries.

While total volumes are still low, grapefruit exports to the United States have been growing exponentially by an average of 65 percent per annum in the past five years, from 76 MT in the 2012/13 MY, to 5,310 MT in the 2019/20 MY. Grapefruit exports to the United States are expected to continue
rising based on the growing demand, good quality fruit, and to a lesser extent the continuation of duty free access through the African Growth and Opportunity Act (AGOA). The Middle East, Canada and Africa are also growing markets for South African grapefruit.

Table 3: South African Fresh Grapefruit Exports

| South Africa Exports to the World |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Commodity: 080540, Grapefruit, Fresh Or Dried |  |  |  |  |  |  |  |
| Calendar Year: 2016-2020 and January-April: 2020, 2021 |  |  |  |  |  |  |  |
| Partner Country | Unit | Calendar Year |  |  | January-April |  |  |
|  |  | 2018 | 2019 | 2020 | 2020 | 2021 | \% ${ }^{\text {2021/20 }}$ |
| World | T | 288,155 | 258,423 | 244,334 | 20,690 | 21,844 | 6\% |
| Netherlands | T | 68,184 | 75,083 | 71,975 | 8,145 | 9,530 | 17\% |
| China | T | 54,530 | 36,439 | 48,083 | 3,529 | 3,196 | -9\% |
| Japan | T | 37,688 | 30,072 | 27,046 | 394 | 63 | -84\% |
| Russia | T | 20,064 | 14,128 | 21,931 | 2,521 | 1,255 | -50\% |
| Hong Kong | T | 13,761 | 12,130 | 13,603 | 1,790 | 1,663 | -7\% |
| United Kingdom | T | 12,275 | 11,779 | 10,498 | 468 | 872 | 86\% |
| Italy | T | 12,858 | 10,434 | 9,399 | 907 | 1,939 | 114\% |
| Canada | T | 9,504 | 6,665 | 6,252 | 468 | 499 | 7\% |
| United States | T | 4,729 | 5,347 | 5,310 | 0 | 66 | 0\% |
| Portugal | T | 7,768 | 7,384 | 4,522 | 131 | 593 | 353\% |
| South Korea | T | 9,732 | 6,918 | 4,113 | 0 | 40 | 0\% |
| United Arab Emirates | T | 4,156 | 4,128 | 3,517 | 852 | 485 | -43\% |
| Eswatini | T | 4,861 | 7,459 | 3,339 | 27 | 185 | 585\% |
| Taiwan | T | 3,268 | 2,233 | 2,429 | 189 | 45 | -76\% |
| Ukraine | T | 1,427 | 1,339 | 2,029 | 74 | 218 | 195\% |
| Germany | T | 3,912 | 4,135 | 968 | 85 | 42 | -51\% |
| Romania | T | 694 | 267 | 818 | 36 | 0 | -100\% |
| Saudi Arabia | T | 1,168 | 1,033 | 748 | 80 | 53 | -34\% |
| France | T | 4,328 | 5,106 | 712 | 34 | 74 | 118\% |
| Greece | T | 1,535 | 1,326 | 647 | 94 | 94 | 0\% |
| Singapore | T | 729 | 688 | 624 | 84 | 181 | 115\% |
| Iraq | T | 93 | 595 | 557 | 42 | 0 | -100\% |
| Ireland | T | 1,011 | 3,321 | 516 | 98 | 84 | -14\% |
| Malaysia | T | 1,085 | 614 | 483 | 10 | 67 | 570\% |
| Sweden | T | 481 | 2,857 | 481 | 72 | 72 | 0\% |
| Bulgaria | T | 914 | 751 | 429 | 69 | 0 | -100\% |
| Lithuania | T | 624 | 550 | 381 | 88 | 38 | -57\% |
| Spain | T | 1,105 | 1,053 | 295 | 0 | 21 | 0\% |
| Georgia | T | 178 | 225 | 283 | 20 | 0 | -100\% |
| Belgium | T | 1,735 | 113 | 272 | 108 | 0 | -100\% |

[^0]
## Imports

South Africa is not a major importer of grapefruit. Imports mainly originate from Eswatini (formerly Swaziland), Spain, Turkey and Israel to fill the small demand gap towards the end of the season. Eswatini benefits from duty free access to South Africa under the Southern African Customs Union (SACU) and the close proximity as a neighboring country.

Table 4: South African Fresh Grapefruit Imports

| South Africa Imports from the World |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Commodity: 080540, Grapefruit, Fresh Or Dried |  |  |  |  |  |  |  |  |  |
| Calendar Year: 2016-2020 and January-April: 2020, 2021 |  |  |  |  |  |  |  |  |  |
| Partner Country | Unit | Calendar Year |  |  |  |  | January-April |  |  |
| Partner Country |  | 2016 | 2017 | 2018 | 2019 | 2020 | 2020 | 2021 | \% ${ }^{\text {a 2021/20 }}$ |
| World | T | 3,983 | 1,211 | 2,703 | 1,476 | 1,325 | 801 | 861 | 7\% |
| Eswatini | T | 2,862 | 66 | 2,083 | 685 | 753 | 531 | 0 | -100\% |
| Turkey | T | 275 | 354 | 93 | 122 | 220 | 45 | 478 | 962\% |
| Spain | T | 474 | 514 | 374 | 382 | 196 | 166 | 259 | 56\% |
| Israel | T | 136 | 225 | 134 | 248 | 127 | 59 | 124 | 110\% |
| Egypt | T | 0 | 0 | 0 | 0 | 29 | 0 | 0 | 0\% |
| India | T | 0 | 0 | 18 | 0 | 0 | 0 | 0 | 0\% |
| Canada | T | 19 | 0 | 0 | 0 | 0 | 0 | 0 | 0\% |
| China | T | 19 | 0 | 0 | 0 | 0 | 0 | 0 | 0\% |
| Netherlands | T | 21 | 0 | 0 | 0 | 0 | 0 | 0 | 0\% |
| Portugal | T | 0 | 0 | 0 | 19 | 0 | 0 | 0 | 0\% |
| Other | T | 177 | 52 | 0 | 20 | 0 | 0 | 0 | 0\% |

Source: TDM

## Prices

Table 5 shows the local, export and processed market prices for grapefruit since the 2004/05 MY. Grapefruit prices for the export and local markets have increased over the past five years based on the weakening rand to the United States dollar exchange rate. Processed and local market prices tend to fluctuate based on supply. Export prices continue to provide the highest prices for South African grapefruit, which explains why the industry is export oriented.

Table 5: Grapefruit Prices

| MY | Local Market | Export Market | Processed |
| :---: | :---: | :---: | :---: |
|  | Average Price | Average Price | Average Price |
|  | Rand/ MT | Rand/ MT | Rand/ MT |
| 2004/05 | 1,487 | 925 | 325 |
| 2005/06 | 1,493 | 1,764 | 386 |
| 2006/07 | 1,796 | 2,712 | 237 |
| 2007/08 | 2,283 | 3,658 | 152 |
| 2008/09 | 1,839 | 1,846 | 240 |
| 2009/10 | 1,437 | 4,351 | 268 |
| 2010/11 | 2,107 | 3,723 | 383 |
| 2011/12 | 2,275 | 4,371 | 377 |
| 2012/13 | 2,352 | 5,060 | 376 |
| 2013/14 | 3,020 | 5,247 | 401 |
| 2014/15 | 3,866 | 5,737 | 310 |
| 2015/16 | 5,154 | 7,898 | 409 |
| 2016/17 | 2,472 | 7,762 | 596 |
| 2017/18 | 5,246 | 8,234 | 1,593 |
| 2018/19 | 2,908 | 7,990 | 1,523 |
| 2019/20 | 6,563 | 8,960 | 1,571 |

Source: CGA
USD $\$ 1$ = Rand R13.42 (as of June 6, 2021)

Table 6: Production, Supply and Demand (PSD) of Grapefruit, Fresh

| Grapefruit, Fresh Market Year Begins South Africa | 2018/2019 |  | 2019/2020 |  | 2020/2021 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Jan 2019 |  | Jan 2020 |  | Jan 2021 |  |
|  | USDA Official | New Post | USDA Official | New Post | USDA Official | New Post |
| Area Planted (hectares) | 7762 | 7762 | 8000 | 8259 | 8200 | 8700 |
| Area Harvested (hectares) | 7400 | 7400 | 7700 | 7700 | 7900 | 7900 |
| Bearing Trees (1000 TREES) | 7400 | 7400 | 7600 | 7600 | 7800 | 7800 |
| Non-Bearing Trees (1000 trees) | 800 | 800 | 900 | 900 | 920 | 920 |
| Total No. Of Trees (1000 TREES) | 8200 | 8200 | 8500 | 8500 | 8720 | 8720 |
| Production (1000 MT) | 372 | 372 | 358 | 345 | 360 | 373 |
| Imports (1000 MT) | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Supply (1000 MT) | 373 | 373 | 359 | 346 | 361 | 374 |
| Exports (1000 MT) | 258 | 258 | 256 | 244 | 260 | 260 |
| Fresh Dom. Consumption (1000 MT) | 8 | 8 | 8 | 8 | 9 | 9 |
| For Processing (1000 MT) | 107 | 107 | 95 | 94 | 92 | 105 |
| Total Distribution (1000 MT) | 373 | 373 | 359 | 346 | 361 | 374 |
|  |  |  |  |  |  |  |
| (HECTARES),(1000 TREES) ,(1000 MT) |  |  |  |  |  |  |

## Oranges, Fresh

## Area Planted

The area planted with oranges is estimated to grow by 3 percent to 46,000 hectares in the 2020/21 MY, from 44,728 hectares in the $2019 / 20$ MY, based on the increases in area planted to seedless orange varieties and late maturing varieties. This rise will be partially offset by the industry shift from orange production to soft citrus in the Western Cape and Limpopo growing regions. Figure 3 below shows the growing trend in the area planted to oranges since the $2006 / 07 \mathrm{MY}$.

Limpopo is the leading growing region for oranges accounting for 48 percent of the total area planted, followed by the Eastern Cape ( 26 percent), Western Cape ( 15 percent), Mpumalanga ( 7 percent), Northern Cape ( 2 percent), KwaZulu Natal ( 2 percent), North West Province (less than 1 percent), and the Free State (less than 1 percent). Valencia's account for about 64 percent of the total area planted to oranges, and Navels account for 36 percent. The predominant variety planted is the Midnight accounting for 25 percent of the total area planted, followed by the Valencia Late variety at 12 percent, Delta ( 10 percent), Turkey ( 7 percent), Bennie ( 7 percent), Palmer ( 6 percent), Cambria ( 6 percent), Bahianinha (5 percent), and Washington (4 percent).

Figure 3: Area Planted to Oranges


[^1]
## Production

The production of oranges is estimated to increase by 2 percent to 1.65 million MT in the 2020/21 MY, from 1.62 million MT in the 2019/20 MY. This increase is based on normal weather conditions, good rainfall in the main growing regions, the rise in area planted, better water management techniques by farmers, and new plantings of high yielding and late maturing varieties. However, this increase will be partially offset by small fruit sizes in some production areas in the Eastern Cape due to drought conditions; and hail damage in some growing regions in the Mpumalanga Province. The drought in the Eastern Cape only affected growers who rely on the Gamtoos river system and the Kouga Dam, which accounts for an estimated 30 percent of the production in the Eastern Cape. Oranges are normally harvested between March and September, and the impact of COVID-19 on production, harvest and labor has been minimal to date.

## Consumption

Post estimates that the consumption of oranges will increase by 3 percent to 82,000 MT in the 2020/21 MY, from 80,000 MT in the $2019 / 20 \mathrm{MY}$, based on the rise in production and increase in demand due to the associated benefits of Vitamin C in boosting immunity against COVID-19. South Africa prioritizes supplying export markets, and the surplus oranges or those that do not meet the export standards are supplied to the fresh domestic and processed markets. Fresh oranges are the most popular citrus consumed in South Africa with a per capita consumption of about 1.5 kg per annum.

## Exports

The export of oranges is estimated to rise by 3 percent to 1.29 million MT in the 2020/21 MY, from 1.26 million MT in the 2019/20 MY, based on the increase in production, continued spike in demand due to the assumed benefits of Vitamin C in boosting immunity against COVID-19, and the pace of exports up to April 2021. The growth in exports and the continued rise in citrus production resulted in the world largest specialized reefer vessel ("the Cool Eagle") being used in South Africa in 2021.

The EU remains South Africa's largest export market for oranges, accounting for 44 percent of the total export market. However, exports to Asia and the Middle East have grown steadily over the years due to the industry's focus on growing these markets.

Exports to the United States are expected to continue based on the duty free access under the African Growth and Opportunity Act (AGOA). However, a gradual shift from oranges to easy peelers and soft citrus exports is expected over time, as South African farmers supplying the U.S. market have been replanting their orchards from oranges to soft citrus and new orange varieties in response to market preferences and the higher premium received in the U.S. market. Exports to the United States decreased in 2019, due to the shift from oranges to soft citrus and small fruit sizes. However, orange exports to the United States increased by 71 percent to 53,121 MT in the 2020, based on the record breaking production in South Africa.

Table 7: South African Fresh Orange Exports

| South Africa Exports to the World |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Commodity: 080510, Oranges, Fresh |  |  |  |  |  |  |  |
| Calendar Year: 2016-2020 and January-April: 2020, 2021 |  |  |  |  |  |  |  |
| Partner Country | Unit | Calendar Year |  |  | January-April |  |  |
|  |  | 2018 | 2019 | 2020 | 2020 | 2021 | \% ${ }^{\text {a }}$ 2021/20 |
| World | T | 1,278,935 | 1,186,426 | 1,259,714 | 5,543 | 5,631 | $2 \%$ |
| Netherlands | T | 233,619 | 224,343 | 288,463 | 451 | 230 | -49\% |
| Portugal | T | 79,998 | 58,390 | 104,774 | 0 | 0 | 0\% |
| United Arab Emirates | T | 80,989 | 75,602 | 89,527 | 705 | 759 | 8\% |
| China | T | 109,995 | 150,388 | 81,289 | 0 | 23 | 0\% |
| Russia | T | 87,147 | 71,665 | 79,408 | 50 | 54 | 8\% |
| United Kingdom | T | 75,954 | 62,362 | 72,879 | 117 | 211 | 80\% |
| Bangladesh | T | 59,399 | 44,041 | 66,001 | 0 | 28 | 0\% |
| Saudi Arabia | T | 84,448 | 83,587 | 61,823 | 452 | 127 | -72\% |
| Hong Kong | T | 66,255 | 54,827 | 55,459 | 26 | 111 | 327\% |
| United States | T | 45,120 | 30,990 | 53,121 | 25 | 0 | -100\% |
| Italy | T | 42,667 | 31,355 | 41,244 | 0 | 0 | 0\% |
| Canada | T | 36,722 | 29,957 | 38,239 | 164 | 48 | -71\% |
| Malaysia | T | 30,704 | 32,601 | 29,461 | 0 | 278 | 0\% |
| Iraq | T | 26,413 | 34,692 | 28,465 | 46 | 28 | -39\% |
| Oman | T | 10,339 | 9,926 | 13,171 | 58 | 201 | 247\% |
| India | T | 9,705 | 10,044 | 11,500 | 0 | 64 | 0\% |
| Kuwait | T | 21,029 | 15,062 | 10,258 | 221 | 167 | -24\% |
| Singapore | T | 14,384 | 9,343 | 9,521 | 0 | 27 | 0\% |
| Qatar | T | 12,287 | 10,389 | 8,800 | 75 | 122 | 63\% |
| Germany | T | 16,276 | 13,073 | 7,442 | 25 | 23 | -8\% |
| France | T | 17,456 | 18,186 | 7,421 | 0 | 0 | 0\% |
| Sweden | T | 6,141 | 7,167 | 6,981 | 0 | 0 | 0\% |
| Ukraine | T | 3,686 | 3,772 | 6,722 | 0 | 0 | 0\% |
| Ireland | T | 6,136 | 5,405 | 6,314 | 0 | 23 | 0\% |
| Botswana | T | 3,310 | 3,446 | 5,742 | 650 | 839 | 29\% |
| Denmark | T | 1,234 | 3,420 | 4,691 | 0 | 0 | 0\% |
| Spain | T | 6,928 | 9,202 | 4,540 | 0 | 0 | 0\% |
| Namibia | T | 4,321 | 4,670 | 4,526 | 636 | 576 | -9\% |
| Belgium | T | 6,411 | 7,610 | 4,136 | 0 | 0 | 0\% |
| Mozambique | T | 6,115 | 6,598 | 4,004 | 672 | 288 | -57\% |
| Taiwan | T | 5,934 | 4,387 | 3,948 | 0 | 0 | 0\% |
| Bahrain | T | 4,096 | 4,292 | 3,801 | 0 | 0 | 0\% |
| Eswatini | T | 4,704 | 3,412 | 3,601 | 275 | 485 | 76\% |

## Source: TDM

## Imports

The import of oranges is estimated to remain flat at about 2,000 MT in the 2020/21 MY, based on the high available supply. Relatively small volumes of oranges are usually imported into South Africa in November and December to close supply gaps and satisfy year-end demand.

Table 8: South African Fresh Orange Imports

| South Africa Imports from the World |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Commodity: 080510, Oranges, Fresh |  |  |  |  |  |  |  |  |  |
| Calendar Year: 2016-2020 and January-April: 2020, 2021 |  |  |  |  |  |  |  |  |  |
| Partner Country | Unit | Calendar Year |  |  |  |  | January-April |  |  |
|  |  | 2016 | 2017 | 2018 | 2019 | 2020 | 2020 | 2021 | \% ${ }^{\text {d 2021/20 }}$ |
| World | T | 3,468 | 3,326 | 3,672 | 3,834 | 2,147 | 1,378 | 1,384 | 0\% |
| Spain | T | 531 | 1,150 | 645 | 991 | 1,063 | 833 | 810 | -3\% |
| Eswatini | T | 350 | 805 | 2,270 | 2,671 | 720 | 271 | 402 | 48\% |
| Egypt | T | 24 | 121 | 136 | 52 | 161 | 161 | 149 | -7\% |
| Sweden | T | 0 | 0 | 0 | 0 | 64 | 0 | 0 | 0\% |
| Morocco | T | 0 | 0 | 0 | 0 | 46 | 46 | 0 | -100\% |
| Israel | T | 11 | 6 | 0 | 0 | 37 | 37 | 18 | -51\% |
| Unidentified | T | 2,310 | 1,080 | 621 | 69 | 55 | 29 | 0 | 0\% |
| Saudi Arabia | T | 0 | 113 | 0 | 0 | 0 | 0 | 0 | 0\% |
| Turkey | T | 26 | 24 | 0 | 0 | 0 | 0 | 0 | 0\% |
| Portugal | T | 21 | 0 | 0 | 24 | 0 | 0 | 0 | 0\% |
| Mozambique | T | 0 | 0 | 0 | 27 | 0 | 0 | 0 | 0\% |
| Netherlands | T | 122 | 0 | 1 | 0 | 0 | 0 | 0 | 0\% |
| Italy | T | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0\% |
| Malaysia | T | 22 | 0 | 0 | 0 | 0 | 0 | 0 | 0\% |
| Bahrain | T | 0 | 27 | 0 | 0 | 0 | 0 | 0 | 0\% |
| Belgium | T | 50 | 0 | 0 | 0 | 0 | 0 | 0 | 0\% |

Source: TDM

## Prices

Table 9 shows the local, export and processed market prices of oranges. The export market provides the highest prices. As a result, the South African citrus industry is export-oriented because the domestic and processed markets offer lower prices.

Table 9: Oranges Prices

|  | Local Market | Export Market | Processed |
| :---: | ---: | ---: | ---: |
| MY | Average Price | Average Price | Average Price |
|  | Rand/ MT | Rand/ MT | Rand/ MT |
| $2003 / 04$ | 1,090 | 2,425 | 274 |
| $2004 / 05$ | 1,111 | 1,580 | 229 |
| $2005 / 06$ | 1,025 | 1,843 | 301 |
| $2006 / 07$ | 1,278 | 2,832 | 354 |
| $2007 / 08$ | 1,430 | 3,443 | 419 |
| $2008 / 09$ | 1,483 | 3,235 | 268 |
| $2009 / 10$ | 1,599 | 4,043 | 349 |
| $2010 / 11$ | 1,762 | 4,691 | 529 |
| $2011 / 12$ | 1,895 | 4,318 | 564 |
| $2012 / 13$ | 2,054 | 4,975 | 591 |
| $2013 / 14$ | 2,230 | 5,781 | 618 |
| $2014 / 15$ | 2,535 | 6,576 | 652 |
| $2015 / 16$ | 3,799 | 8,570 | 1,002 |
| $2016 / 17$ | 3,604 | 8,656 | 1,069 |
| $2017 / 18$ | 3,361 | 8,600 | 693 |
| $2018 / 19$ | 3,643 | 8,268 | 699 |
| $2019 / 20$ | 4,897 | 10,329 | 519 |

Source: CGA

Table 10: PSD for Oranges, Fresh

| Oranges, Fresh Market Year Begins South Africa | 2018/2019 |  | 2019/2020 |  | 2020/2021 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Jan 2019 |  | Jan 2020 |  | Jan 2021 |  |
|  | USDA Official | New Post | USDA Official | New Post | USDA Official | New Post |
| Area Planted (hectares) | 43578 | 43578 | 44500 | 44728 | 46000 | 46000 |
| Area Harvested (Hectares) | 39600 | 39600 | 40500 | 40500 | 41000 | 41000 |
| Bearing Trees (1000 TReES) | 39000 | 39000 | 39500 | 39500 | 40000 | 40000 |
| Non-Bearing Trees (1000 trees) | 4200 | 4200 | 4300 | 4300 | 4400 | 4400 |
| Total No. Of Trees (1000 trees) | 43200 | 43200 | 43800 | 43800 | 44400 | 44400 |
| Production (1000 MT) | 1590 | 1590 | 1650 | 1620 | 1700 | 1650 |
| Imports (1000 MT) | 4 | 4 | 2 | 2 | 2 | 2 |
| Total Supply (1000 MT) | 1594 | 1594 | 1652 | 1622 | 1702 | 1652 |
| Exports (1000 MT) | 1186 | 1186 | 1292 | 1260 | 1320 | 1285 |
| Fresh Dom. Consumption (1000 MT) | 75 | 75 | 78 | 80 | 80 | 82 |
| For Processing (1000 MT) | 333 | 333 | 282 | 282 | 302 | 285 |
| Total Distribution (1000 MT) | 1594 | 1594 | 1652 | 1622 | 1702 | 1652 |
|  |  |  |  |  |  |  |

(HECTARES),(1000 TREES),(1000 MT)

## Tangerines/Mandarins (Soft Citrus), Fresh

## Area Planted

The area planted to tangerines/mandarins (soft citrus) is estimated to increase by 10 percent to 26,000 hectares in the 2020/21 MY, from 23,635 hectares in the 2019/20 MY. This is due to growers responding to the increasing global demand for seedless tangerines/mandarins, and high margins from soft citrus relative to other citrus types. Figure 4 shows that the area planted with tangerines/mandarins was flat from the $2006 / 07$ MY to the $2010 / 11$ MY. Thereafter, there has been significant annual increases in area planted, due to the increased investment in new orchards in response to global demand and high revenue.

The predominant variety planted in South Africa is the Nardocott accounting for 22 percent of the area planted, followed by the Nules variety at 12 percent, Nova (11 percent), Tango (10 percent), Orri (8 percent) and Leanri (8 percent).

Figure 4: Area Planted to Tangerines/Mandarins


## *Estimate

Source: CGA \& Post Forecasts.

## Production

The production of tangerines/mandarins is expected to continue its aggressive growth and is estimated to increase by 8 percent to 500,000 MT in the $2020 / 21$ MY, from 460,934 MT in the 2019/20 MY. This is based on the rise in area planted, normal weather conditions, improved winter rainfall received in the main production area of the Western Cape, and the high level of new-plantings in the past years coming into full production. The COVID-19 pandemic has had a minimal impact on labor and input supply.

There is a growing trend of farmers aggressively establishing new orchards under netting which has improved the water efficiency, yields and the overall quality of soft citrus production in South Africa. In addition, there is an increasing trend of late varieties being planted, which has seen the peak harvest of soft citrus shift from week 20 (Beginning of May) to between weeks 21 to 30 (Mid-May to July). About 37 percent of tangerines/mandarins are produced in the Western Cape, followed by 27 percent in the Eastern Cape and 26 percent in Limpopo. The Western Cape is a winter rainfall region, and the 2020 winter rainfall will only be used for irrigation in the following year in 2021. Improved dam levels in the Western Cape in 2019 had a positive impact to the 2019/20 MY crop.

## Consumption

The consumption of tangerines/mandarins is estimated to increase by 7 percent to $29,000 \mathrm{MT}$ in the 2020/21 MY, from 27,000 MT in the 2019/20 MY, due to the increase in production and a surge in demand driven by the associated health benefits of citrus in boosting immunity and to fight COVID-19. The industry prioritizes export markets for soft citrus and only supplies surplus fruit to the local market. However, some high end retail chains such as Woolworths also sell some export grade citrus to the domestic consumers.

## Exports

The export of tangerines/mandarins is estimated to increase by 7 percent to $415,000 \mathrm{MT}$ in the 2020/21 MY, from 389,467 MT in the 2019/20 MY, based on the increase in production, the industry strategy of prioritizing export markets over domestic markets, a surge in demand due to the assumed benefits of Vitamin C in boosting immunity against COVID-19, and pace of exports up to April 2021.

Demand for tangerines/mandarins remains strong in the export markets, with the United Kingdom as the leading export market accounting for 23 percent of the total exports, followed by the Netherlands ( 21 percent), United States ( 8 percent), Russia ( 8 percent) and the United Arab Emirates ( 6 percent). Tangerines/mandarins exports are not impacted by South Africa's CBS challenges in the EU market.

Exports to the United States under the AGOA have grown by an average of 35 percent per year over the past four seasons, from 7,444 MT in the 2013/14 MY, to 32,458 MT in the 2019/20 MY. This growth trend is expected to continue based on the rising U.S. market preference for easy peelers, and continued duty free market access under AGOA.

Table 11: South African Fresh Tangerines/Mandarins Exports

| South Africa Exports to the World |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Commodity: 080520/080521/080522/080529, Mandarins (Including Tangerines And Satsumas); Clementines, Wilkings And Similar Citrus Hybrids, Fresh Or Dried/Mandarins (including tangerines and satsumas)/Clementines/Other citrus hybrids |  |  |  |  |  |  |  |
| Calendar Year: 2016-2020 and January-April: 2020, 2021 |  |  |  |  |  |  |  |
| Partner Country | Unit | Calendar Year |  |  | January-April |  |  |
|  |  | 2018 | 2019 | 2020 | 2020 | 2021 | \% ${ }^{\text {2021/20 }}$ |
| World | T | 260,850 | 295,607 | 389,467 | 25,791 | 20,431 | -21\% |
| United Kingdom | T | 69,344 | 75,941 | 87,938 | 10,802 | 6,530 | -40\% |
| Netherlands | T | 51,404 | 61,403 | 82,522 | 6,788 | 6,138 | -10\% |
| United States | T | 13,695 | 18,690 | 32,458 | 48 | 0 | -100\% |
| Russia | T | 28,425 | 23,709 | 32,379 | 4,692 | 4,678 | 0\% |
| United Arab Emirates | T | 10,457 | 13,022 | 24,136 | 1,033 | 823 | -20\% |
| Bangladesh | T | 6,170 | 15,760 | 24,130 | 0 | 141 | 0\% |
| Canada | T | 11,554 | 11,972 | 18,898 | 224 | 326 | 46\% |
| China | T | 6,520 | 9,827 | 13,785 | 53 | 0 | -100\% |
| Portugal | T | 6,309 | 6,275 | 7,762 | 0 | 72 | 0\% |
| Hong Kong | T | 11,427 | 12,366 | 7,298 | 51 | 0 | -100\% |
| Saudi Arabia | T | 5,412 | 6,950 | 6,658 | 119 | 101 | -15\% |
| Ireland | T | 6,889 | 4,853 | 5,265 | 1,193 | 967 | -19\% |
| Iraq | T | 947 | 3,336 | 4,886 | 42 | 119 | 183\% |
| Germany | T | 3,307 | 3,683 | 4,184 | 0 | 13 | 0\% |
| Senegal | T | 832 | 2,540 | 3,958 | 0 | 96 | 0\% |
| France | T | 2,559 | 2,690 | 3,574 | 0 | 0 | 0\% |
| Malaysia | T | 3,314 | 3,762 | 3,000 | 0 | 0 | 0\% |
| Norway | T | 788 | 1,359 | 2,713 | 0 | 0 | 0\% |
| Singapore | T | 2,413 | 1,260 | 2,297 | 0 | 0 | 0\% |
| Qatar | T | 969 | 1,054 | 2,063 | 92 | 71 | -23\% |
| Mauritius | T | 1,556 | 1,989 | 1,988 | 0 | 0 | 0\% |
| Kuwait | T | 1,803 | 2,293 | 1,916 | 45 | 47 | 4\% |
| Oman | T | 340 | 542 | 1,501 | 17 | 0 | -100\% |
| Italy | T | 585 | 430 | 1,435 | 0 | 0 | 0\% |
| Finland | T | 526 | 635 | 1,338 | 112 | 0 | -100\% |
| Taiwan | T | 158 | 374 | 1,142 | 42 | 0 | -100\% |
| Bahrain | T | 602 | 743 | 1,007 | 23 | 23 | 0\% |
| Nigeria | T | 171 | 256 | 750 | 0 | 2 | 0\% |
| Denmark | T | 47 | 394 | 690 | 45 | 0 | -100\% |
| Namibia | T | 363 | 682 | 648 | 73 | 71 | -3\% |
| India | T | 550 | 550 | 596 | 0 | 0 | 0\% |
| Sweden | T | 140 | 49 | 535 | 0 | 0 | 0\% |
| Gabon | T | 489 | 595 | 534 | 0 | 0 | 0\% |

Source: TDM

## Imports

Post estimates that the 2020/21 MY imports of tangerines/mandarins will remain flat at 2,000 MT. South African imports are only minimal in order to satisfy out of season demand.

Table 12: South African Fresh Tangerines/Mandarins Imports

| South Africa Imports from the World |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Commodity: 080520/080521/080522/080529, Mandarins (Including Tangerines And Satsumas); Clementines, Wilkings And Similar Citrus Hybrids, Fresh Or Dried/Mandarins (including tangerines and satsumas)/Clementines/Other citrus hybrids |  |  |  |  |  |  |  |  |  |
| Calendar Year: 2016-2020 and January-April: 2020, 2021 |  |  |  |  |  |  |  |  |  |
| Partner Country | Unit | Calendar Year |  |  |  |  | January-April |  |  |
|  |  | 2016 | 2017 | 2018 | 2019 | 2020 | 2020 | 2021 | \% ${ }^{\text {¢ 2021/20 }}$ |
| World | T | 1,268 | 1,472 | 1,246 | 1,833 | 2,446 | 2,101 | 2,739 | 30\% |
| Spain | T | 562 | 1,010 | 712 | 1,524 | 1,466 | 1,215 | 806 | -34\% |
| Morocco | T | 0 | 0 | 0 | 47 | 793 | 769 | 1,830 | 138\% |
| Israel | T | 308 | 201 | 346 | 181 | 105 | 105 | 56 | -47\% |
| Other | T | 328 | 144 | 73 | 42 | 47 | 0 | 0 | 0\% |
| United Kingdom | T | 21 | 49 | 0 | 0 | 22 | 0 | 0 | 0\% |
| Egypt | T | 0 | 0 | 43 | 39 | 12 | 12 | 21 | 75\% |
| Germany | T | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0\% |
| India | T | 0 | 0 | 30 | 0 | 0 | 0 | 0 | 0\% |
| Canada | T | 0 | 22 | 0 | 0 | 0 | 0 | 0 | 0\% |
| Eswatini | T | 0 | 0 | 41 | 0 | 0 | 0 | 0 | 0\% |
| Thailand | T | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0\% |
| Turkey | T | 22 | 46 | 0 | 0 | 0 | 0 | 25 | 0\% |

Source: TDM

## Prices

Export markets provide the highest prices for South African soft citrus as shown in Table 13.
Table 13: Tangerines/Mandarins Prices

|  | Local Market | Export Market | Processed |
| ---: | ---: | :---: | :---: |
| MY | Average Price | Average Price | Average Price |
|  | Rand/ MT | Rand/ MT | Rand/ MT |
| $2003 / 04$ | 1,705 | 3,638 | 251 |
| $2004 / 05$ | 1,279 | 3,977 | 165 |
| $2005 / 06$ | 2,133 | 4,423 | 188 |
| $2006 / 07$ | 2,543 | 3,758 | 214 |
| $2007 / 08$ | 3,038 | 4,965 | 367 |
| $2008 / 09$ | 3,042 | 4,635 | 275 |
| $2009 / 10$ | 3,805 | 5,618 | 214 |
| $2010 / 11$ | 4,091 | 5,637 | 315 |
| $2011 / 12$ | 3,760 | 7,133 | 419 |


| $2012 / 13$ | 5,159 | 8,542 | 334 |
| ---: | ---: | ---: | ---: |
| $2013 / 14$ | 5,442 | 10,004 | 465 |
| $2014 / 15$ | 5,606 | 11,392 | 391 |
| $2015 / 16$ | 6,785 | 14,242 | 532 |
| $2016 / 17$ | 6,037 | 13,489 | 614 |
| $2017 / 18$ | 6,617 | 13,498 | 709 |
| $2018 / 19$ | 5,586 | 13,344 | 502 |
| $2019 / 20$ | 6,866 | 16,387 | 280 |

Source: CGA

Table 14: PSD for Tangerines/Mandarins, Fresh

| Tangerines/Mandarins, Fresh Market Year Begins South Africa | 2018/2019 |  | 2019/2020 |  | 2020/2021 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Feb 2019 |  | Feb 2020 |  | Feb 2021 |  |
|  | USDA Official | New Post | USDA Official | New Post | USDA Official | New Post |
| Area Planted (Hectares) | 19255 | 19255 | 21000 | 23635 | 23000 | 26000 |
| Area Harvested (HECTARES) | 13600 | 13600 | 14500 | 14500 | 16000 | 16000 |
| Bearing Trees (1000 TREES) | 8000 | 8000 | 8500 | 8500 | 9000 | 9000 |
| Non-Bearing Trees (1000 trees) | 2800 | 2800 | 3100 | 3100 | 3500 | 3500 |
| Total No. Of Trees (1000 Trees) | 10800 | 10800 | 11600 | 11600 | 12500 | 12500 |
| Production (1000 MT) | 375 | 375 | 486 | 461 | 515 | 500 |
| Imports (1000 MT) | 2 | 2 | 3 | 2 | 3 | 2 |
| Total Supply (1000 MT) | 377 | 377 | 489 | 463 | 518 | 502 |
| Exports (1000 MT) | 296 | 296 | 385 | 389 | 420 | 415 |
| Fresh Dom. Consumption ${ }_{(1000}$ MT) | 22 | 22 | 27 | 27 | 30 | 29 |
| For Processing (1000 MT) | 59 | 59 | 77 | 47 | 68 | 58 |
| Total Distribution (1000 MT) | 377 | 377 | 489 | 463 | 518 | 502 |
|  |  |  |  |  |  |  |
| (HECTARES) ,(1000 TREES) ,(1000 MT) |  |  |  |  |  |  |

## Lemons/Limes, Fresh

## Area Planted

Figure 5 shows that the area planted with lemons/limes was initially flat from the 2006/07 MY to the 2009/10 MY. However, the area planted increased gradually from 4,667 hectares in the $2010 / 11$ MY, to 18,000 hectares in the $2020 / 21 \mathrm{MY}$, in response to the growth in demand and higher prices in the export market.

The Eastern Cape Province is the leading growing region for lemons and limes in South Africa accounting for 42 percent of the total area planted, followed by Limpopo (31 percent), Western Cape (14 percent), Mpumalanga ( 6 percent), Kwa-Zulu Natal ( 5 percent), Northern Cape ( 2 percent) and North West (1 percent). The most popular variety of lemons planted in South Africa is the Eureka accounting for 75 percent of the area planted, followed by Lisbon ( 8 percent), 2 Ph Seedless ( 6 percent), Limoneira 8A (4 percent), and Genoa (3 percent).

Figure 5: Area Planted to Lemons/ Lime

*Estimate.
Source: CGA \& Post Forecast.

## Production

The production of lemons/limes is estimated to marginally increase by 1 percent to $625,000 \mathrm{MT}$ in the 2020/21 MY, from 619,522 MT in the 2019/20 MY. This is based on the rise in area planted, and the high level of new-plantings in the past five years coming into full production. This was partially offset by the impact of drought in some growing regions in the Eastern Cape. Notably, some growers
mitigated the impact of the drought by drilling more boreholes. The impact of COVID-19 on production is expected to be minimal.

## Consumption

The domestic consumption of lemons and limes is estimated to increase by 4 percent to $27,000 \mathrm{MT}$ in the 2020/21 MY, from 26,000 MT in the 2019/20 MY, based on the growth in production, and increasing demand driven by health conscious consumers.

## Processing

Post estimates that lemons and limes delivered for processing will increase by 1 percent to 139,000 MT in the 2020/21 MY, from 138,000 MT in the $2019 / 20 \mathrm{MY}$, based on the increase in production.

Processed lemons and limes are used as flavoring for savory dishes, and food ingredient for confectionary and dairy products. In the beverage industry lemons/limes are used to make lemonade, smoothies and liquors. In the cleaning industry, lemon juice is used as a degreaser and disinfectant, due to its high concentration of citric acid which can inhibit the proliferation of some molds and bacteria.

## Exports

The exports of lemons and limes is estimated to increase by 1 percent to $461,000 \mathrm{MT}$ in the 2020/21 MY, from 457,886 MT in the 2019/20 MY, based on the increase in production, and growth in demand from the Middle East and Asian markets. The European Union still remains the main export market for South African lemons and limes, accounting for 42 percent of the total exports.

Table 15: South African Fresh Lemons/Limes Exports

| South Africa Exports to the World |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Commodity: 080550, Lemons And Limes, Fresh Or Dried |  |  |  |  |  |  |  |
| Calendar Year: 2016-2020 and January-April: 2020, 2021 |  |  |  |  |  |  |  |
| Partner Country | Unit | Calendar Year |  |  | January-April |  |  |
|  |  | 2018 | 2019 | 2020 | 2020 | 2021 | \% $\Delta^{\text {2021/20 }}$ |
| World | T | 315,197 | 350,245 | 457,886 | 112,009 | 87,843 | -22\% |
| Netherlands | T | 43,059 | 45,046 | 92,152 | 11,122 | 1,608 | -86\% |
| United Arab Emirates | T | 46,566 | 43,332 | 56,570 | 23,856 | 21,173 | -11\% |
| Saudi Arabia | T | 30,864 | 41,762 | 37,520 | 16,068 | 12,692 | -21\% |
| Russia | T | 27,750 | 26,957 | 37,175 | 11,177 | 14,726 | 32\% |
| United Kingdom | T | 29,897 | 26,049 | 36,967 | 2,904 | 1,120 | -61\% |
| Iraq | T | 7,340 | 20,638 | 36,918 | 15,842 | 9,200 | -42\% |
| Canada | T | 14,381 | 15,740 | 22,879 | 4,438 | 4,967 | 12\% |
| Italy | T | 14,564 | 17,526 | 21,664 | 1,369 | 103 | -92\% |
| Portugal | T | 10,216 | 15,184 | 15,503 | 0 | 0 | 0\% |
| Hong Kong | T | 20,119 | 22,262 | 15,385 | 4,358 | 5,301 | 22\% |
| Kuwait | T | 9,940 | 11,962 | 11,653 | 4,961 | 3,045 | -39\% |
| Malaysia | T | 8,599 | 11,305 | 9,242 | 2,539 | 4,565 | 80\% |


| Germany | T | 4,059 | 6,891 | 6,593 | 772 | 173 | $-78 \%$ |
| :--- | :--- | ---: | ---: | ---: | ---: | ---: | ---: |
| Qatar | T | 4,097 | 5,254 | 6,109 | 3,352 | 1,765 | $-47 \%$ |
| Spain | T | 1,955 | 2,094 | 5,609 | 0 | 0 | $0 \%$ |
| Singapore | T | 4,632 | 4,176 | 5,088 | 1,072 | 1,502 | $40 \%$ |
| Bahrain | T | 3,298 | 2,564 | 3,671 | 2,001 | 893 | $-55 \%$ |
| Ukraine | T | 1,567 | 1,334 | 3,089 | 1,238 | 810 | $-35 \%$ |
| Greece | T | 2,091 | 2,255 | 2,966 | 297 | 381 | $28 \%$ |
| Oman | T | 3,456 | 3,243 | 2,922 | 1,155 | 745 | $-36 \%$ |
| Jordan | T | 180 | 684 | 2,330 | 396 | 462 | $17 \%$ |
| Denmark | T | 428 | 811 | 1,910 | 202 | 0 | $-100 \%$ |
| France | T | 3,111 | 1,559 | 1,877 | 143 | 89 | $-38 \%$ |
| Ireland | T | 2,404 | 1,760 | 1,770 | 138 | 124 | $-10 \%$ |
| Azerbaijan | T | 1,608 | 780 | 1,603 | 229 | 77 | $-66 \%$ |
| Japan | T | 920 | 1,050 | 1,449 | 0 | 75 | $0 \%$ |
| Mauritius | T | 1,121 | 1,106 | 1,256 | 180 | 113 | $-37 \%$ |
| Georgia | T | 306 | 722 | 1,250 | 344 | 165 | $-52 \%$ |
| Namibia | T | 521 | 629 | 1,042 | 268 | 228 | $-15 \%$ |
| Romania | T | 149 | 125 | 1,027 | 77 | 125 | $62 \%$ |
| Nigeria | T | 322 | 351 | 1,003 | 138 | 246 | $78 \%$ |
| Soria |  |  |  |  |  |  |  |

Source: TDM

## Imports

Post forecasts that the 2020/21 MY imports of lemons/limes will remain flat due to the available domestic production which sufficiently meets the local demand. Imports are minimal from Spain, Eswatini and Brazil.

Table 16: South African Fresh Lemons/Limes Imports

| South Africa Imports from the World |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Commodity: 080550, Lemons And Limes, Fresh Or Dried |  |  |  |  |  |  |  |  |  |
| Calendar Year: 2016-2020 and January-April: 2020, 2021 |  |  |  |  |  |  |  |  |  |
| Partner Country | Unit | Calendar Year |  |  |  |  | January-April |  |  |
|  |  | 2016 | 2017 | 2018 | 2019 | 2020 | 2020 | 2021 | \% ${ }^{\text {2021/20 }}$ |
| World | T | 2,109 | 878 | 1,193 | 983 | 2,012 | 1,707 | 731 | -57\% |
| Eswatini | T | 24 | 136 | 280 | 355 | 1,801 | 1,657 | 612 | -63\% |
| Brazil | T | 151 | 102 | 142 | 168 | 158 | 23 | 0 | -100\% |
| Spain | T | 155 | 181 | 97 | 326 | 52 | 27 | 80 | 196\% |
| United Arab Emirates | T | 51 | 0 | 0 | 0 | 0 | 0 | 0 | 0\% |
| Turkey | T | 91 | 29 | 91 | 0 | 0 | 0 | 0 | 0\% |
| United Kingdom | T | 0 | 34 | 25 | 0 | 0 | 0 | 0 | 0\% |
| Hong Kong | T | 0 | 30 | 0 | 0 | 0 | 0 | 0 | 0\% |
| Italy | T | 0 | 0 | 0 | 108 | 0 | 0 | 0 | 0\% |
| Unidentified | T | 1,613 | 363 | 557 | 25 | 0 | 0 | 38 | 0\% |
| Serbia | T | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0\% |

Source: TDM

## Prices

Export markets provide the highest prices for South African lemons/limes as shown in Table 17.
Table 17: Lemons/Limes Prices

|  | Local Market | Export Market | Processed |
| ---: | ---: | ---: | ---: |
| $\mathbf{y y}$ | MY | Average Price | Average Price | | Average Price |
| :---: |
|  |
| $2004 / 05$ |

## Source: CGA

Table 18: PSD Lemons/Limes, Fresh

| Lemons/Limes, Fresh | 2018/ |  | 2019/ |  | 2020 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Market Year Begins | Jan 2 |  | Jan 2 |  | Jan |  |
| South Africa | USDA Official | New Post | USDA Official | New Post | USDA Official | New Post |
| Area Planted (HECTARES) | 16190 | 16190 | 17400 | 17707 | 18000 | 18000 |
| Area Harvested (HECTARES) | 11200 | 11200 | 12100 | 12100 | 14000 | 14000 |
| Bearing Trees (1000 TREES) | 6700 | 6700 | 7100 | 7100 | 7500 | 7500 |
| Non-Bearing Trees (1000 TREES) | 2500 | 2500 | 2600 | 2600 | 2900 | 2900 |
| Total No. Of Trees (1000 Trees) | 9200 | 9200 | 9700 | 9700 | 10400 | 10400 |
| Production (1000 MT) | 492 | 492 | 657 | 620 | 670 | 625 |
| Imports (1000 MT) | 1 | 1 | 2 | 2 | 2 | 2 |
| Total Supply (1000 MT) | 493 | 493 | 659 | 622 | 672 | 627 |
| Exports (1000 MT) | 350 | 350 | 455 | 458 | 500 | 461 |
| Fresh Dom. Consumption (1000 MT) | 21 | 21 | 26 | 26 | 27 | 27 |
| For Processing (1000 MT) | 122 | 122 | 178 | 138 | 145 | 139 |
| Total Distribution (1000 MT) | 493 | 493 | 659 | 622 | 672 | 627 |
|  |  |  |  |  |  |  |
| (HECTARES) ,(1000 TREES) ,(1000 MT) |  |  |  |  |  |  |

## Orange Juice

## Production

The production of orange juice is estimated to increase by 1 percent to $50,000 \mathrm{MT}$ in the 2020/21 MY, from 49, 494 MT in the 2019/20 MY, based on the increase in the quantity of fresh oranges delivered for processing. The 2019/20 MY production of orange juice was slightly revised to 49,494 MT, based on updated volume of oranges delivered for processing.

Concentrated orange juice accounts for at least 90 percent of the total orange juice produced in South Africa. The South African citrus industry prioritizes the export of fresh citrus, and only processes the fruit that does not meet export standards.

Industry coordinated statistics for orange juice are largely unavailable in South Africa. The production, consumption and stock levels represent Post's estimates based on information derived from various sources, contacts and calculations of extractions from fresh oranges delivered for processing.

## Consumption

The domestic consumption of orange juice is estimated to increase by 10 percent to $11,000 \mathrm{MT}$ in the 2020/21 MY, from 10,000 MT in the 2019/20 MY, based on the increase in production and supply availability. The relatively high food price inflation has resulted in restricted growth in the domestic consumption of fresh fruit juices especially the one hundred percent fruit juice, and the shift in demand to orange juice concentrates.

## Export

Post estimates that the 2020/21 MY exports of orange juice will increase significantly to $40,000 \mathrm{MT}$, from 29,549 MT in the 2019/20 MY, based on the increase in production and pace of exports up to April 2021. The 2019/20 MY exports of orange juice were revised downwards to 29,549 MT, based final Trade Data Monitor.

Post adjusted all the orange juice export data to the equivalent of 65 Degrees Brix based on the respective conversion factors shown on the export tables below. The orange juice exports under HS200919 were converted using a factor of 1.02 . The orange juice exports under HS200911 were converted using a factor of 1.00 . The orange juice exports under HS200912 were converted using a factor of 0.18 . Degrees Brix represents the strength of the juice based on the sugar content. Thus, 65 Degrees Brix means that the orange juice has at least 65 grams of sucrose per 100 grams of orange juice.

Producers in South Africa prefer to export fresh oranges rather than to sell to processors as export prices are at least eight times higher than prices achieved from processors. Netherlands, Botswana, Mozambique, Mauritius, Namibia, Eswatini, Zambia and Zimbabwe are the biggest markets for South African orange juice exports.

Table 19: South African Orange Juice Exports - HS200919, HS200911 and HS200912 South Africa Exports to the World
Commodity: 200911/200912/200919, Orange Juice, Frozen, Whether Or Not Sweetened/Orange Juice, Not Frozen, Of A Brix Value Not Exceeding 20/Orange Juice, Other Than Frozen, Whether Or Not Sweetened

| Partner Country | Unit | Calendar Year |  |  |  |  | January-April |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 2016 | 2017 | 2018 | 2019 | 2020 | 2020 | 2021 | \% 2021/20 |
| World | T | 34,724 | 27,764 | 39,249 | 29,563 | 29,549 | 9,232 | 6,445 | -30\% |
| Netherlands | T | 5,897 | 3,036 | 12,077 | 10,340 | 12,962 | 3,624 | 1,615 | -55\% |
| Spain | T | 1,747 | 187 | 274 | 567 | 2,851 | 542 | 793 | 46\% |
| Eswatini | T | 3,461 | 3,013 | 3,300 | 3,183 | 2,797 | 1,306 | 966 | -26\% |
| Botswana | T | 7,825 | 6,888 | 7,434 | 5,562 | 2,789 | 520 | 1,058 | 103\% |
| Namibia | T | 4,969 | 4,593 | 4,770 | 2,899 | 2,025 | 588 | 556 | -5\% |
| Italy | T | 605 | 194 | 375 | 867 | 1,159 | 374 | 230 | -39\% |
| India | T | 138 | 133 | 346 | 790 | 656 | 279 | 163 | -42\% |
| Greece | T | 0 | 0 | 0 | 57 | 615 | 275 | 0 | -100\% |
| Zimbabwe | T | 1,989 | 2,539 | 2,044 | 520 | 477 | 278 | 234 | -16\% |
| Lesotho | T | 2,031 | 1,350 | 1,369 | 959 | 430 | 92 | 189 | 105\% |
| Zambia | T | 1,052 | 1,270 | 623 | 562 | 404 | 119 | 132 | 11\% |
| Nigeria | T | 14 | 1 | 22 | 1 | 369 | 365 | 0 | -100\% |
| Mozambique | T | 1,454 | 948 | 780 | 327 | 279 | 193 | 53 | -73\% |
| United States | T | 21 | 60 | 193 | 700 | 256 | 68 | 0 | -100\% |
| Taiwan | T | 16 | 56 | 78 | 62 | 142 | 38 | 24 | -37\% |
| Congo (DROC) | T | 180 | 139 | 152 | 123 | 120 | 55 | 34 | -38\% |
| Japan | T | 35 | 8 | 6 | 7 | 97 | 95 | 90 | -5\% |
| Gabon | T | 0 | 11 | 0 | 153 | 86 | 22 | 35 | 59\% |
| Ghana | T | 87 | 144 | 199 | 44 | 86 | 38 | 27 | -29\% |
| Mauritius | T | 318 | 185 | 391 | 243 | 78 | 61 | 5 | -92\% |
| Ethiopia | T | 799 | 674 | 456 | 264 | 77 | 44 | 68 | 55\% |
| China | T | 0 | 26 | 20 | 46 | 76 | 9 | 4 | -56\% |
| Philippines | T | 37 | 178 | 270 | 52 | 63 | 17 | 14 | -18\% |
| Israel | T | 378 | 19 | 511 | 615 | 61 | 61 | 0 | -100\% |
| France | T | 11 | 10 | 35 | 38 | 57 | 22 | 16 | -27\% |
| Madagascar | T | 105 | 108 | 139 | 61 | 43 | 16 | 4 | -75\% |
| United Arab Emirates | T | 53 | 146 | 320 | 22 | 36 | 16 | 7 | -56\% |
| Malawi | T | 291 | 341 | 213 | 29 | 34 | 8 | 13 | 63\% |
| Congo (ROC) | T | 79 | 121 | 184 | 32 | 33 | 19 | 11 | -42\% |
| Angola | T | 91 | 206 | 92 | 3 | 31 | 3 | 3 | 0\% |
| Singapore | T | 50 | 60 | 90 | 3 | 29 | 6 | 3 | -50\% |
| Seychelles | T | 24 | 98 | 53 | 10 | 26 | 7 | 15 | 114\% |

Source: TDM

## Imports

The imports of orange juice are estimated to remain flat at 2,000 MT in the 2020/21 MY. Zimbabwe, Brazil and Spain are the main suppliers of orange juice to South Africa. The source of origin of United Arab Emirates imports is Brazil. Post also adjusted the orange juice import data to the equivalent of 65 Degrees Brix based on the respective conversion factors.

Table 20: South African Orange Juice Imports - HS200919, HS200911 and HS200912

| South Africa Imports from the World |
| :---: |
| Commodity: 200911/200912/200919, Orange Juice, Frozen, Whether Or Not |
| Sweetened/Orange Juice, Not Frozen, Of A Brix Value Not Exceeding 20/Orange Juice, Other |
| Than Frozen, Whether Or Not Sweetened |

Calendar Year: 2016-2020 and January-April: 2020, 2021

| Partner Country | Unit | Calendar Year |  |  |  |  | January-April |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 2016 | 2017 | 2018 | 2019 | 2020 | 2020 | 2021 | $\begin{gathered} \hline \% \Delta \\ 2021 / 20 \end{gathered}$ |
| World | T | 1,101 | 2,691 | 1,322 | 1,942 | 2,410 | 794 | 954 | 20\% |
| Zimbabwe | T | 698 | 771 | 845 | 1,652 | 2,304 | 730 | 718 | -2\% |
| Botswana | T | 4 | 19 | 2 | 31 | 36 | 23 | 0 | -100\% |
| South Korea | T | 0 | 1 | 2 | 0 | 17 | 17 | 0 | -100\% |
| Malaysia | T | 0 | 5 | 10 | 11 | 10 | 5 | 0 | -100\% |
| Eswatini | T | 2 | 163 | 1 | 8 | 9 | 8 | 0 | -100\% |
| Turkey | T | 0 | 0 | 8 | 9 | 6 | 6 | 0 | -100\% |
| Thailand | T | 0 | 0 | 0 | 18 | 3 | 3 | 0 | -100\% |
| Unidentified | T | 0 | 44 | 7 | 1 | 2 | 0 | 2 | 0\% |
| Pakistan | T | 6 | 28 | 9 | 13 | 2 | 0 | 0 | 0\% |
| Portugal | T | 23 | 13 | 17 | 0 | 2 | 0 | 3 | 0\% |
| Argentina | T | 0 | 422 | 0 | 0 | 0 | 0 | 0 | 0\% |
| Brazil | T | 283 | 713 | 203 | 1 | 0 | 0 | 96 | 0\% |
| Spain | T | 0 | 450 | 178 | 96 | 0 | 0 | 0 | 0\% |

Source: TDM

Table 21: PSD Orange Juice

| Orange Juice Market Year Begins South Africa | 2018/2019 |  | 2019/2020 |  | 2020/2021 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Apr 2019 |  | Apr 2020 |  | Apr 2021 |  |
|  | USDA Official | New Post | USDA Official | New Post | USDA Official | New Post |
| Deliv. To Processors (MT) | 333000 | 333000 | 282000 | 282000 | 302000 | 285000 |
| Beginning Stocks (MT) | 6302 | 6302 | 36349 | 36349 | 44349 | 48704 |
| Production (MT) | 63168 | 63168 | 49000 | 49494 | 52000 | 50000 |
| Imports (MT) | 1942 | 1942 | 2000 | 2410 | 2000 | 2000 |
| Total Supply (MT) | 71412 | 71412 | 87349 | 88253 | 98349 | 100704 |
| Exports (MT) | 29563 | 29563 | 35000 | 29549 | 40000 | 40000 |
| Domestic Consumption (MT) | 5500 | 5500 | 8000 | 10000 | 9000 | 11000 |
| Ending Stocks (MT) | 36349 | 36349 | 44349 | 48704 | 49349 | 49704 |
| Total Distribution (MT) | 71412 | 71412 | 87349 | 88253 | 98349 | 100704 |
|  |  |  |  |  |  |  |
| (MT) |  |  |  |  |  |  |

## Policies and Regulations:

## U.S Authorizes Importation of Cold-Treated Citrus from South Africa into All U.S. Ports of Entry

On November 4, 2020, the U.S. Department of Agriculture's Animal and Plant Health Inspection Service (APHIS) announced that it had authorized the importation of cold-treated fresh citrus fruit from South Africa into all U.S. ports of entry. APHIS determined that citrus fruit from South Africa, which is cold-treated in transit, can safely enter all U.S. ports of entry without increasing the risk of introducing the false coddling moth or other pests of concern. Previously, APHIS restricted the entry of cold-treated citrus fruit from South Africa to four U.S. ports that have cold treatment facilities: Newark, Philadelphia, Houston and New Orleans. This action will help in facilitating trade by broadening the reach of South African citrus to other regions within the U.S. market, provide flexibility to U.S. retailers and wholesalers, and lower transportation costs of imported citrus.

## United States Cold Sterilization Protocol

South Africa exports citrus to the United States under the cold treatment schedule to address False Codling Moth (FCM). The United States Animal Plant Health Inspection Service (APHIS) has reduced the cold treatment schedule from 24 to 22 days, which has been hugely beneficial to South Africa in terms of reducing shipping costs and in reducing fruit loss from cold damage.

## South African Citrus Exports from Citrus Black Spot (CBS) Areas to the United States

Currently, South Africa can only export citrus to the United States from official CBS free areas. The CBS free areas are found in the Western Cape and Northern Cape, as well as relevant districts of the Free State and North West provinces. In 2014, APHIS issued a notice proposing to amend the fruits and vegetables regulations to allow the import of several varieties of fresh citrus fruit, as well as Citrus hybrids, into the United States from areas in South Africa where citrus black spot has been known to occur. The regulation would authorize imports on the condition of satisfying certain systems and SPS treatment procedures. This proposal can be found on the following link; http://www.regulations.gov/\#!documentDetail;D=APHIS-2014-0015-0001. The comment period closed and the regulation is still in the process of being finalized.

## Citrus Black Spot Challenges in the European Union Market

South Africa still faces challenges in the EU market as a result of the stringent CBS requirements, and normally voluntarily suspends citrus exports to the EU every season to avoid any further interceptions of fruit with CBS. For example, in October 2017, South Africa voluntarily suspended citrus exports to the EU , as a precaution and risk mitigation measure to prevent a ban on citrus exports to the EU. Complying with the EU requirements for CBS costs the industry a lot of money, constrains the already limited government capacity and the scientific basis for these measures have been questioned. In addition, Argentina and Uruguay are reported to have higher CBS interceptions than South Africa. Thus, South Africa considers these EU measures an unnecessary technical trade barrier, and the Ministry of Agriculture has publicly indicated that the internal process of lodging a WTO dispute has been initiated.

## South Africa Fresh Produce Importers Association

The Fresh Produce Importers Association assists members with the importation of fresh fruit and vegetables in South Africa. Information on their members, contact details and services they provide can be obtained from the following website link, http://www.fpia.co.za/contact-us/ .

## Custom Duties

United States citrus exports face a 4 percent customs duty in South Africa. Table 22 reflects the applicable custom duties when exporting citrus to South Africa

Table 22: Custom Duties Applicable to Exports to South Africa

| HS Code | Article description | Unit | Rate of Duty |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | General | EU | EFTA | SADC | MERCOSUR |
| 08.05 | Citrus fruit, fresh or dried: |  |  |  |  |  |  |
| 0805.10 | Oranges |  |  |  |  |  |  |
| 0805.10.10 | Fresh | kg | 4\% | free | 4\% | free | 4\% |
| 0805.10.90 | Other | kg | 4\% | free | 4\% | free | 4\% |
| 0805.2 | Mandarins (including tangerines and satsumas); clementines, wilkings and similar citrus hybrids: |  |  |  |  |  |  |
| 0805.21 | Mandarins (including tangerines and satsumas) |  |  |  |  |  |  |
| 0805.21.10 | Fresh | kg | 4\% | free | 4\% | free | 4\% |
| 0805.21 .90 | Other | kg | 4\% | free | 4\% | free | 4\% |
| 0805.22 | Clementines: |  |  |  |  |  |  |
| 0805.22.10 | Fresh | kg | 4\% | free | 4\% | free | 4\% |
| 0805.22.90 | Other | kg | 4\% | free | 4\% | free | 4\% |
| 0805.29 | Other: |  |  |  |  |  |  |
| 0805.29.10 | Fresh | kg | 4\% | free | 4\% | free | 4\% |
| 0805.29.90 | Other | kg | 4\% | free | 4\% | free | 4\% |
| 0805.40 | Grapefruit, including pomelos: |  |  |  |  |  |  |
| 0805.40.10 | Fresh | kg | 4\% | free | 4\% | free | 4\% |
| 0805.40.90 | Other | kg | 4\% | free | 4\% | free | 4\% |
| 0805.50 | Lemons (CitrusLimon, Citrus Limonium) and limes (Citrus aurantifolia, Citrus latifolia): |  |  |  |  |  |  |
| 0805.50.10 | Fresh | kg | 4\% | free | 4\% | free | 4\% |
| 0805.50.90 | Other | kg | 4\% | free | 4\% | free | 4\% |
| 0805.90 | Other: |  |  |  |  |  |  |
| 0805.90.10 | Fresh | kg | 4\% | free | 4\% | free | 4\% |
| 0805.90.90 | Other | kg | 4\% | free | 4\% | free | 4\% |
| 2009.1 | Orange juice |  |  |  |  |  |  |
| 2009.11 | Frozen | kg | 25\% | free | 25\% | free | 25\% |
| 2009.12 | Not frozen, of Brix value not exceeding 20 | kg | 25\% | free | 25\% | free | 25\% |
| 2009.19 | Other | kg | 25\% | free | 25\% | free | 25\% |

[^2]
## South African Import Regulations

The following links provide useful resources and regulations pertaining to importing fruit into South Africa:

## Export Procedures to South Africa

http://www.nda.agric.za/doaDev/sideMenu/plantHealth/docs/importProcedure.pdf.
Maximum Residue Limits
http://www.nda.agric.za/doaDev/sideMenu/foodSafety/doc/South\ African\ Citrus\ MRLs\  2013.pdf

Agriculture Product Standards Act No 119 of 1990

http://www.nda.agric.za/doaDev/sideMenu/Food\ Import\ \&\ Export\ Standard/docs/Agric \%20Product\%20Standards\%20Act\%20No\%20119\%20\%20of\%201990.pdf

Agricultural Pests Amendment Act, 9 of 1992
http://www.nda.agric.za/doaDev/sideMenu/APIS/doc/Agricultural\ Pests\ Act.pdf

## South African Special Export Protocols/ Programs/ Directives

https://www.nda.agric.za/doaDev/sideMenu/plantHealth/exportsProg.htm

## Attachments:

No Attachments


[^0]:    Source: Trade Data Monitor (TDM)

[^1]:    *Estimate
    Source: CGA \& Post Estimates.

[^2]:    Source: South African Revenue Services (SARS)

