



Dairy market trends

May 2021

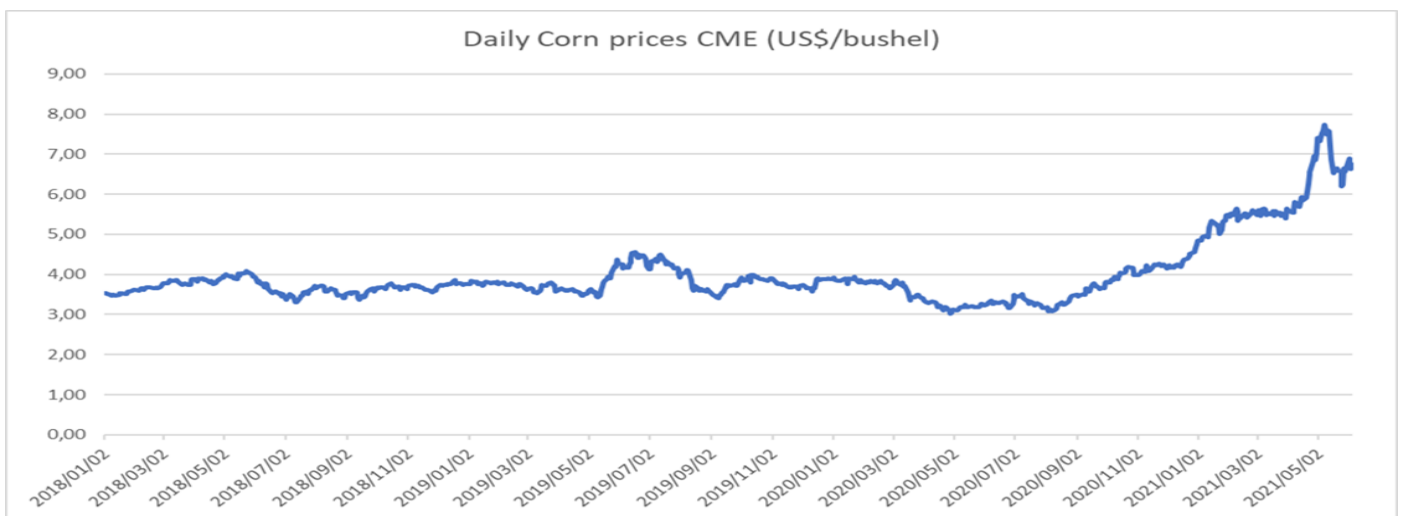
Dairy Market Trends May 2021: the current level of grain prices and future indications of these prices warrants a Production Price Stimulus (PPS) for unprocessed milk of 48 cents to offset the current high grain price regime.

Executive summary

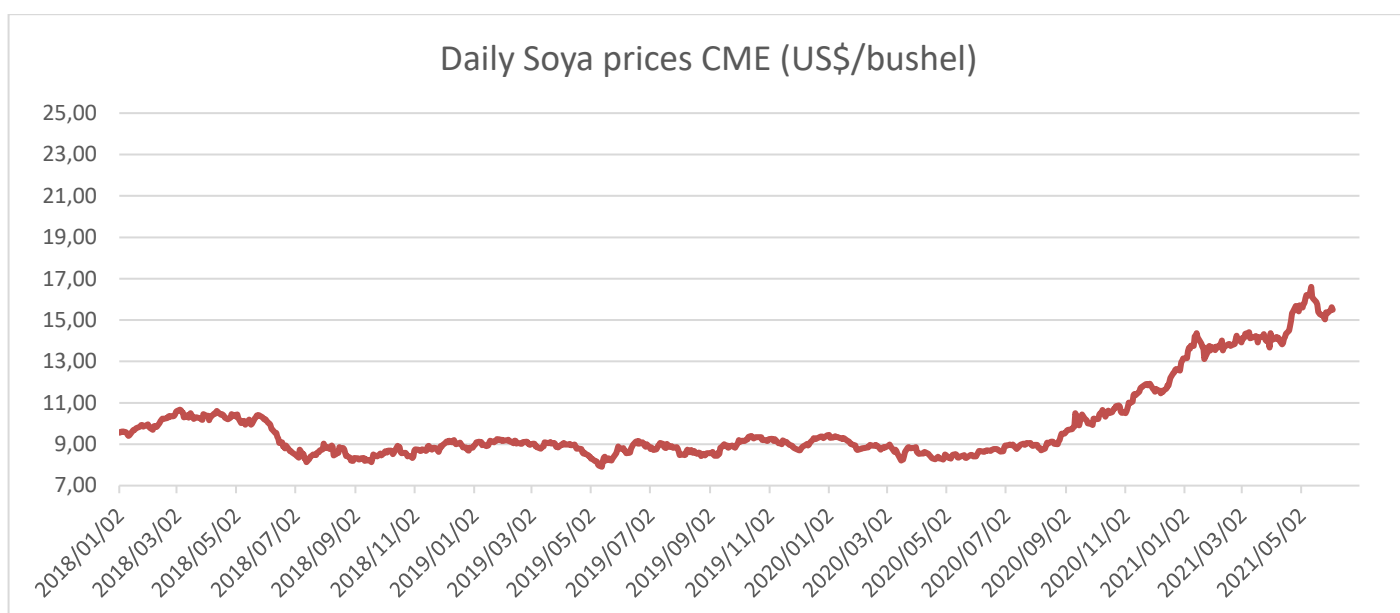
For April 2021 the national average producer price for unprocessed milk is calculated at R5,97 per litre with some buoyancy left. The latent buoyancy is due to the monthly average grain price (30% soya and 70% yellow maize) increasing in May and the prospect of continued high grain prices for in 2021 and 2022. The grain price was trending down in January 2021 through April 2021 but May bucked the trend and it reversed to end May again above R4 500/ton.

The level of **international** corn and soya prices set the grain scene in South Africa. The corn (maize) graph below reflects daily prices from January 2018 to the 3rd of June 2021 on the Chicago Mercantile Exchange.

For the period from Jan 2018 to October 2020, a typical price range in broad terms was between 3,5 and 4,0 US\$ per bushel (1 bushel = 25,4kg) for corn. The corn price for May 2021 was between 6,0 and 7,0 US\$ per bushel, almost double the typical range.



The soya graph below reflects daily prices from January 2018 to the 3rd of June 2021 on the Chicago Mercantile Exchange. For the period from Jan 2018 to October 2020, a typical price in broad terms was around 9,0 US\$ per bushel (1 bushel = 27,2kg) for soya. The soya price for May 2021 was between 15,0 and 16,0 US\$ per bushel, 70% higher than the typical range.



The table below reflects the future month prices for corn and soya as on 3 June 2021. **These future contract prices change continuously and exhibits an element of volatility.** Nevertheless, the corn price range is between 5,0 and 6,0 US\$ per bushel from July 2021 to Sep 2022 and for soya between 14,30 and 15,50 US\$ per bushel for the rest of 2021. In 2022 the soya price drops to between 13,0 and 14,0 US\$ per bushel. These future contract prices emphasises the much higher trading range now in play.

Table 3: Future contracts: Corn and Soya prices (US\$/bushel) dated 3 June 2021 (Chicago Mercantile Exchange)

Month	Corn	Month	Soya
July 21	6,62	July 21	15,48
Sep 21	5,81	Aug 21	15,04
Dec 21	5,70	Sep 21	14,33
Mar 22	5,72	Nov 21	14,04
May 22	5,75	Jan 22	14,04
July 22	5,74	Mar 22	13,84
Sep 22	5,14	May 22	13,60
		July 22	13,80

Comparing the typical trading ranges from the beginning of 2018 to the third quarter of 2020 with the current ranges and future contract ranges, price indications for both corn and soya into 2022 indicate that a possible new price regime have manifested from the last quarter of 2020 through to the third quarter of 2022. This regime might be temporary but is currently present. These higher price ranges will continue to influence the maize and soya prices in South Africa. Although international grain prices are trending down they are still at much higher levels than in 2018 through to 2020 third quarter and the future contract prices confirms it. In SA grain prices will remain markedly higher than in 2019 and the first part of 2020 if international grain prices realise the levels as per future contract indications. **In the current situation with regard to grain prices and the future indications of these prices, milk buyers should consider a Price Production Stimulus (PPS) of 48 cents to offset the current high levels of grain prices. As soon as the prices in SA normalise, the PPS should be withdrawn.**

The Food and Agricultural Organisation (FAO) of the United Nations (UN) confirms the market conditions. The FAO Cereal Price Index averaged 133.1 points in May, up 7.6 points (6.0 percent) from April and 35.7 points (36.6 percent) above its May 2020 value. Among the major cereals, international maize prices rose the most, gaining 12.9 points (8.8 percent) in May, reaching 75.6 points (89.3 percent) above their value last year and their highest level since January 2013. Downgraded production prospects for Brazil added pressure to already tight global supplies amidst sustained strong demand.

The milk: concentrate feed price ratio was dangerously low from August 2020 to February 2021. The ratio improved noteworthy in March 2021 to 1.22:1 due to improved producer prices and lower grain prices. The improvement continued in April to 1.33:1 but retreated in May to 1.29:1 due to higher grain prices in May. A ratio that indicates reasonable levels of positive farm economics is a ratio of more than 1.4:1.

Frequently milk producers and other role players ask about the meaning and implications of specific market trends on the total dairy market balance and how it will change future markets. While the Milk Producers' Organisation cannot and will not try to predict the future in any detail, the possible general impact of specific changes will be discussed in this document. This information should not be regarded as financial advice.

While this report is compiled from sources that are deemed to be reliable, MPO cannot take responsibility for any decisions based on the information in this report.

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1. Milk supply, demand and prices

1.1 Milk production

Unprocessed milk production for April 2021 is estimated at 240 million litres, 0,26% less than in April 2020. Cumulative unprocessed milk production for 2021 (inclusive of April) was 1 008 million litres, indicating a decline of 3,65% in comparison to 2020 and 2,88% less than in 2019.

Market signals from the MPO, since early 2018, indicated that the cost price squeeze is severe in farm economics due to too low producer prices and high cost increases. The MPO sounded a warning in the May 2020 publication of this journal stating that positive farm economics “would only be possible if the upward trend in producer prices prevail in 2020”. Notwithstanding, producer prices moved sideways and the cost of feed sky rocketed, wiping out the increases in the producer price at the beginning of 2020, once again producing severe negative farm economics. The current decline in the production of unprocessed milk can be traced back to that juncture.

Monthly milk production is reflected in Figure 1 below.

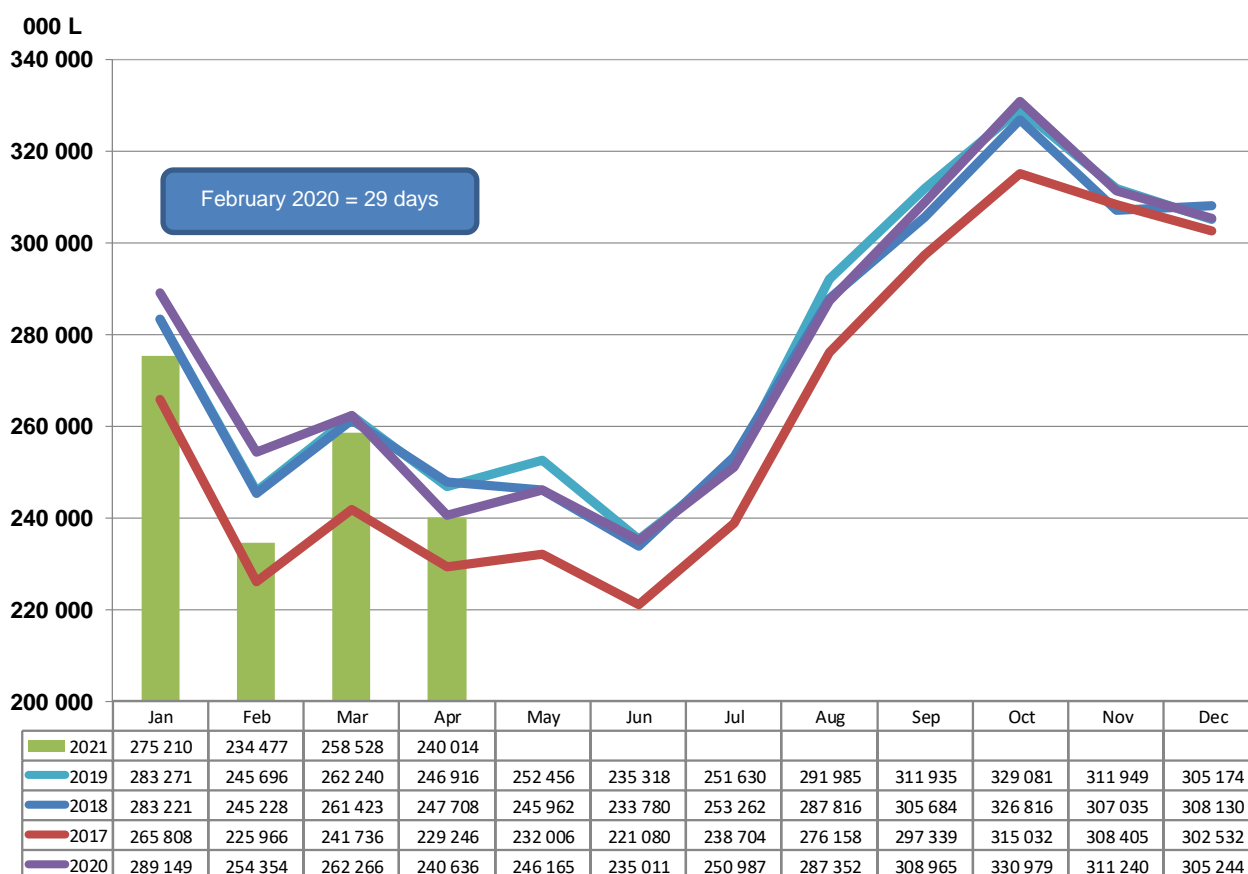


Figure 1 Monthly milk production ('000 L.).

Source: Milk SA, March and April are preliminary

1.2 Dairy imports

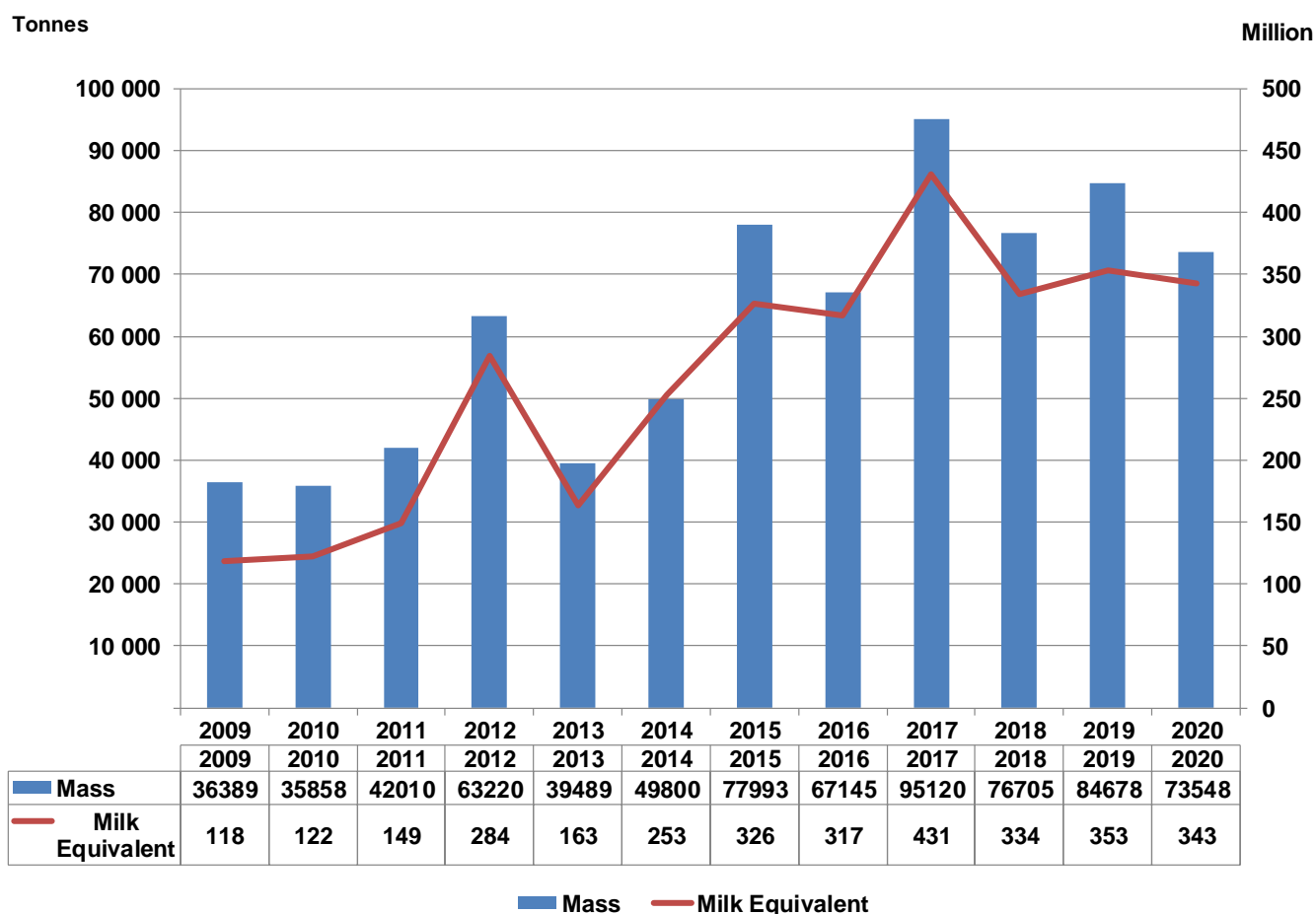


Figure 2 Annual imports, mass and milk equivalent basis, 2009-2020

Source: Agri Inspec

Figure 2 illustrates the fluctuation in dairy imports on a mass and milk equivalent basis over the past 12 years. On a mass basis, imports declined in 2020 with 13.1% compared to 2019. On a milk equivalent basis, imports declined in 2020 with 2,8% compared to 2019. The reduction in imports is mainly due to drastic increases in dairy commodity prices in South African Rand (ZAR) terms during the second and third quarter of 2020. The depreciation of the ZAR was in reaction to the worldwide pandemic, specifically during the initial stages.

Figure 3 illustrates monthly cumulative dairy imports on a milk equivalent basis. Imports increased markedly in April with a record volume of cheddar imports from the Netherlands (535 tonnes) and skimmed milk powder (SMP) imports increased with 71% compared to the same month in 2020. The cheddar imports for the first four months of 2021 equal three times the volume of cheddar imported in total in 2020 and more than two times the total volume of cheddar imported in 2019. In terms of international dairy product prices, cheddar is the most attractive if compared to the price level in 2020 and 2019. The SMP price in April 2021 was 14% lower than the corresponding month in April 2020.

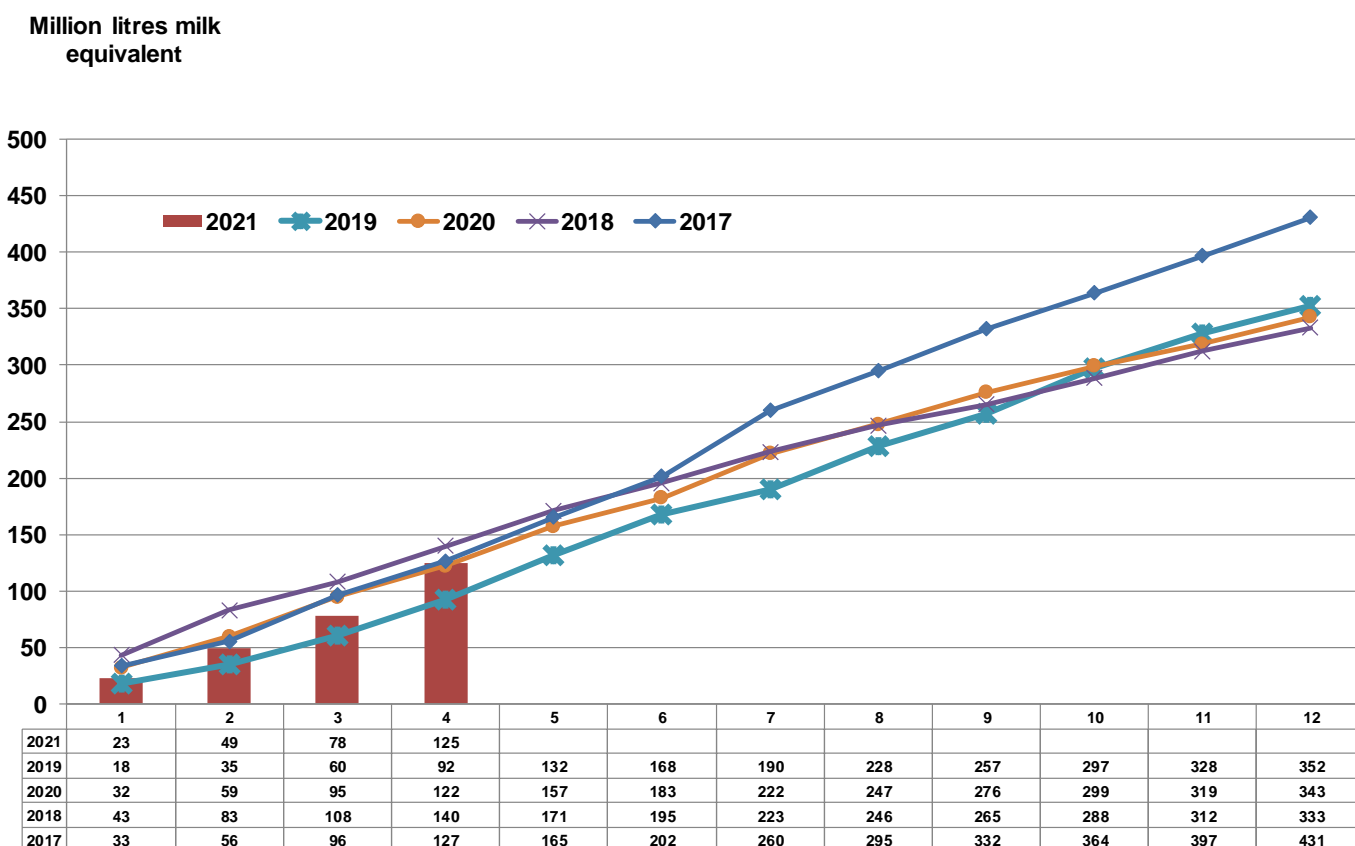


Figure 3 Monthly cumulative imports, (Mil. L.) milk equivalent basis

Source: Agri Inspec

1.3 Dairy exports (inclusive of sales to the BLNE countries)

Monthly cumulative exports on a milk equivalent basis are reflected in Figure 4 below. Exports in 2020 recorded an all-time high record, where SA exported 460 million litres of milk. This is a feather in the cap of the dairy value chain and affected government departments – the route to market was maintained despite the “lockdown”-restrictions in South Africa and in our trading partners.

Furthermore, it is an indication that export markets are well looked after by the SA exporters, that the markets are satisfied with the product range and quality and that untapped potential exists in the export market.

The positive export story continues into 2021. Cumulative exports for the first four months increased with 10,4% in comparison to same period in 2020.

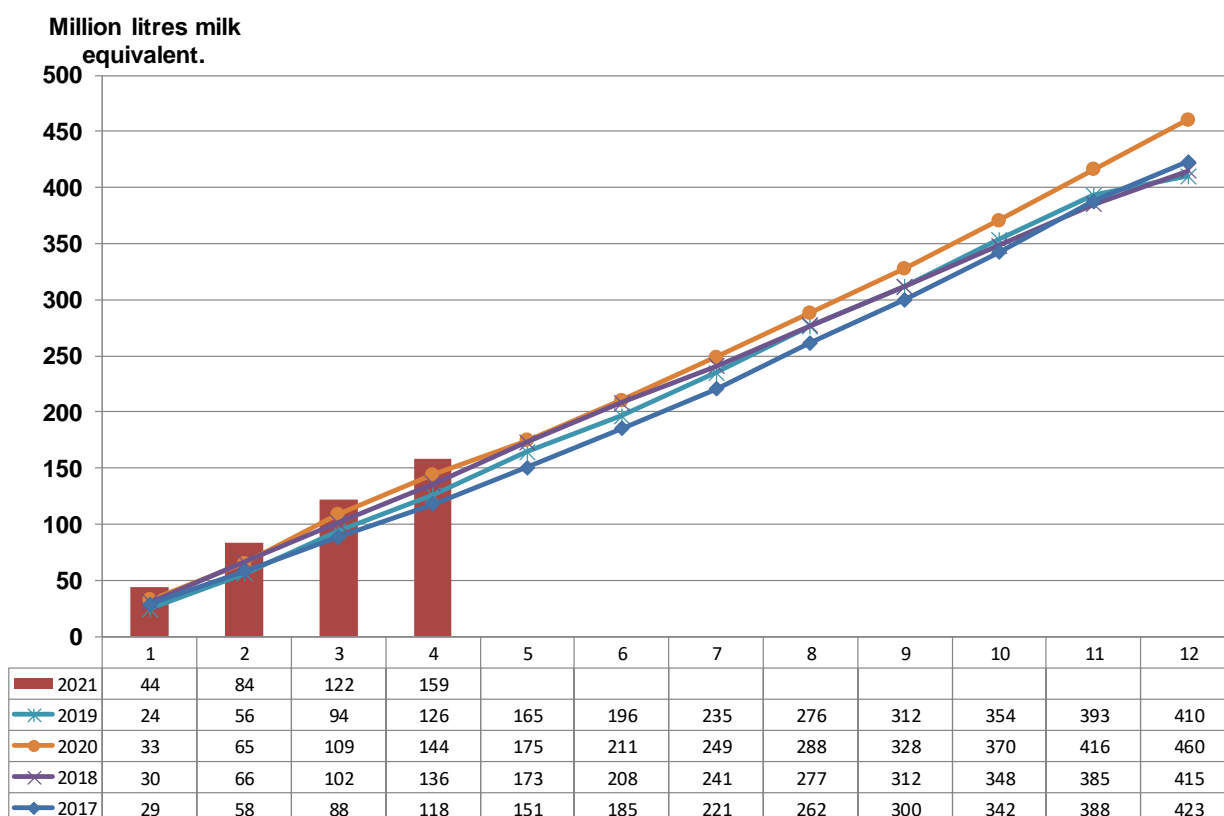


Figure 4 Monthly cumulative dairy exports (Mil. L.), milk equivalent basis

Source: Agri Inspec

1.4 Net exports (Inclusive of sales to BLNE countries)

The SA dairy industry regained its status as a net exporter of dairy products in 2018, maintained that status in 2019, 2020 and for the first four months in 2021. Cumulative net exports (total exports plus sales to BLNE countries less total imports) on a milk equivalent basis are shown in Figure 5 below.

Mil. L. ME

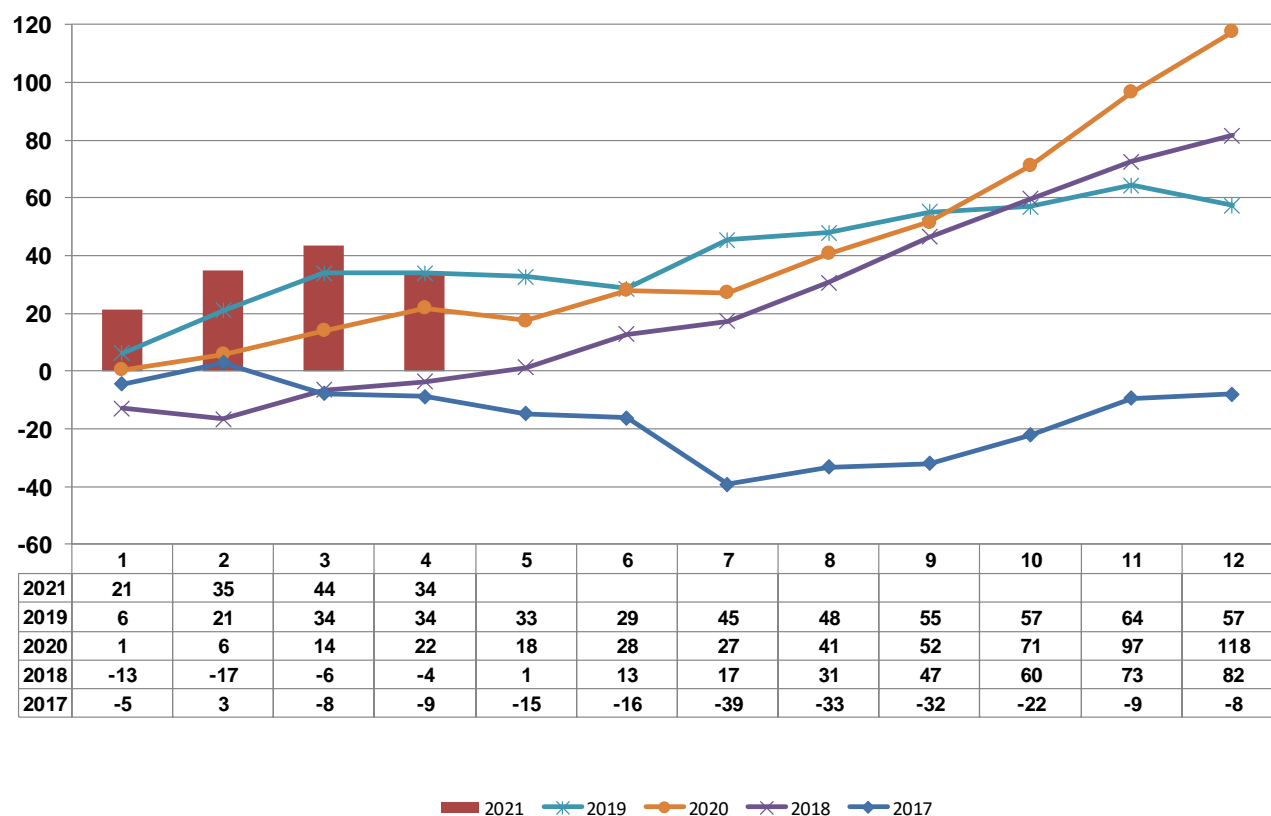


Figure 5 Cumulative net exports, milk equivalent basis (Mil. L.)

Source: Agri Inspec

1.5 Total milk supply

The total cumulative monthly supply of milk, consisting of locally produced milk less net exports (total exports inclusive of sales to BLNE countries less total imports) is reflected in Figure 6. The total cumulative supply of milk for 2020 is 2% less than in 2019 and 14% less for the first four months of 2021 in comparison to the same period in 2020, respectively.

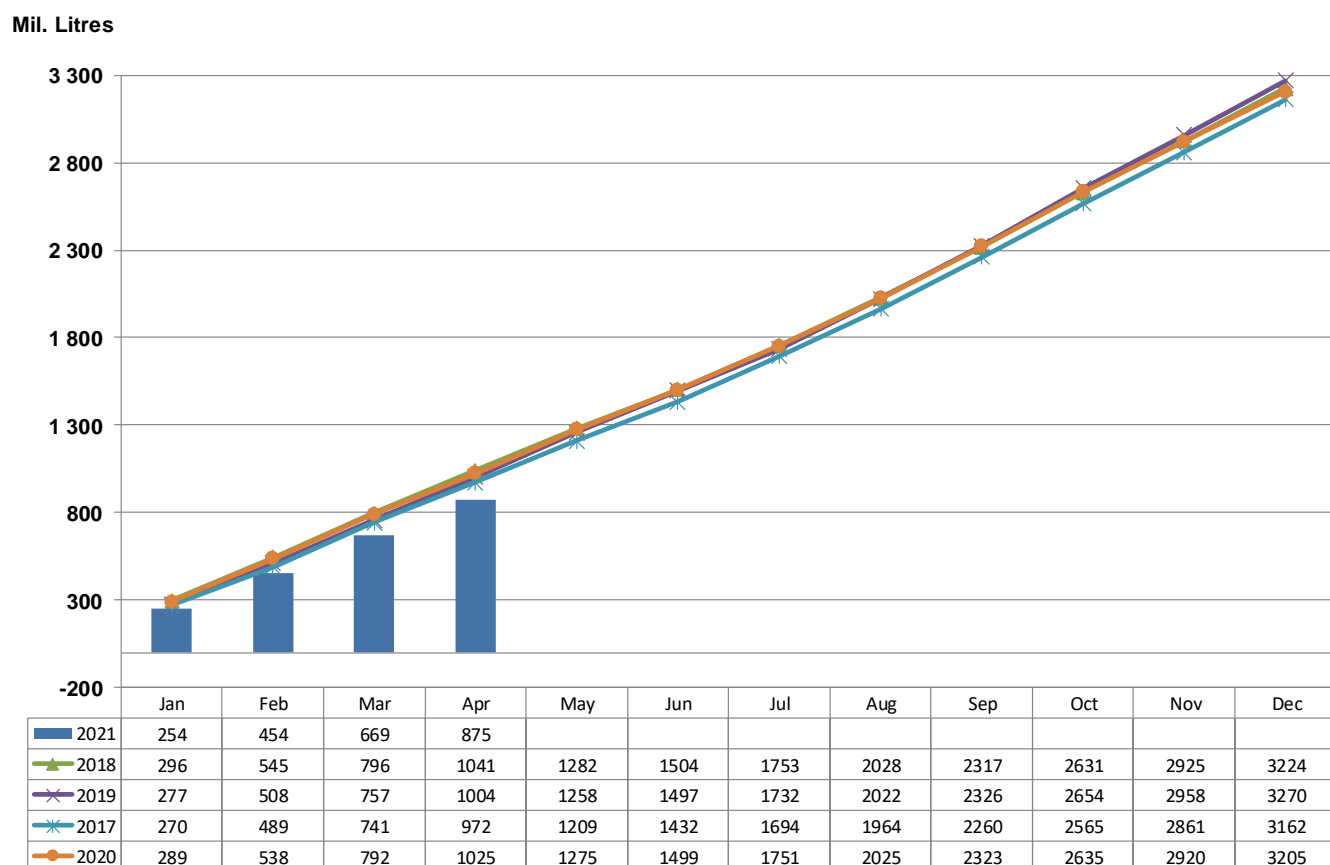


Figure 6 Total Cumulative monthly milk supply

Source: MPO calculation

1.6 Milk demand

Table 1 contains information regarding the change in retail sales quantities for specific dairy products. Changes in the retail price of dairy products impact on sales quantities.

In the year that ended in December 2020, the retail sales quantities of two of the nine dairy products were from 7.9 and 10.6 percent lower than in the year that ended in December 2019, while the retail sales quantities of seven dairy products were between 2.2 to 14.8 percent higher than in the year that ended in December 2019.

In the quarter that ended in December 2020, the retail sales quantities of three of the nine dairy products were between 0.6 and 9.3 percent lower than in the same quarter of 2019, while the retail sales quantities of six of the dairy products were between 1.7 and 10.2 percent higher. In December 2020, the retail sales quantities of seven of the nine dairy products were higher than in December 2019 (SAMPRO, Nielsen Report Dec 2020).

TABLE 1: PERCENTAGE CHANGE IN RETAIL SALES QUANTITIES FOR SPECIFIC DAIRY PRODUCTS

PRODUCT	Sales in the month of December 2020 versus the sales in the month of November 2020	Sales in the 3 months from October 2020 to December 2020 versus the sales in the 3 months from October 2019 to December 2019	Sales in the 6 months from July 2020 - December 2020 versus the sales in the 6 months from July 2019 to December 2019	Sales in the 9 months from April 2020 to December 2020 versus the sales in the 9 months from April 2019 to December 2019	Sales in the 12 months from January 2020 to December 2020 versus the sales in the 12 months from January 2019 to December 2019
	percent		percent		percent
Fresh Milk	-9.4	-9.3	-9.1	-9.0	-7.9
UHT milk	6.9	5.7	7.3	9.3	9.9
Flavoured milk	-8.1	-7.2	-10.4	-11.7	-10.6
Yoghurt	8.4	5.9	6.2	9.6	9.1
Maas	1.1	1.8	3.3	5.7	6.2
Pre-packaged cheese	13.4	10.2	10.8	15.0	14.8
Cream cheese	1.1	-0.6	-0.5	3.1	2.2
Butter	-3.2	1.7	6.7	10.6	8.2
Cream	4.6	7.7	11.0	14.7	11.2

Source: Nielsen supplied by Sampro

Table 2 contains information regarding the changes in the average retail prices of specific dairy products.

In the year that ended in December 2020, the retail sales prices of all nine dairy products increased with from 1.0 to 11.1 percent. In the quarter That ended in December 2020 the retail sales prices of seven of the nine dairy products increased between 0.4 and 3.8 percent, while that of two of the dairy products decreased between 0.7 and 1.6 percent.

From November 2020 to December 2020, the retail sales prices of eight of the nine dairy products increased between 0.8 and 9.6 percent, while that of one dairy product decreased with 2.7 percent.

The increases in the quantity of retail sales of **cream** - 11.2 percent and **pre-packaged cheese** - 14.8 percent from 2019 to 2020 are the highest. The retail sales prices of the two products were 2.2 percent and 3.8 percent higher respectively in December 2020 than in December

2019. In the year 2020, the retail sales quantity of fresh milk, was 7.9 percent lower than in the year 2019, and that of UHT milk 9.9 percent higher. The total estimated retail sales quantity of unflavoured and unsweetened milk (fresh and long-life milk), was 3.3 percent higher in the year 2020, than in the previous year. Unflavoured and unsweetened milk utilize approximately 51.7 percent of the total raw milk production in South Africa (SAMPRO, Nielsen Report Dec 2020).

The major milk consuming categories are doing well despite consumer disposable income being under pressure and a weak SA economy. It seems that the dairy component in the consumer basket is getting stronger and solidified. Good marketing efforts by all the role players in the value chain should be recognised in this trend.

Early indications seem to indicate a change in consumer behaviour giving rise to a new dairy product mix. Home cooking is driving this change and only time will tell whether it is permanent or temporary.

TABLE 2: CHANGES IN THE AVERAGE RETAIL PRICES OF SPECIFIC DAIRY PRODUCTS

PRODUCT	December 2020 versus November 2020 (1 month ago)	December 2020 versus September 2020 (3 months ago)	December 2020 versus June 2020 (6 months ago)	December 2020 versus March 2020 (9 months ago)	December 2020 versus December 2019 (12 months ago)	December 2020 versus June 2019 (18 months ago)	December 2020 versus December 2018 (24 months ago)
	Percent	Percent	Percent	Percent	Percent	Percent	Percent
FRESH MILK	1.0	1.3	0.6	1.6	2.8	4.9	8.9
UHT MILK	2.1	0.4	-1.3	4.7	4.3	5.8	16.4
FLAVOURED MILK	9.6	1.7	-0.6	3.6	4.7	6.1	10.4
YOGHURT	0.8	-0.7	1.0	-0.05	2.2	0.2	3.6
MAAS	-2.7	-1.6	-3.1	-2.8	1.0	0.9	3.0
PRE-PACKAGED CHEESE	1.9	1.7	1.6	1.6	3.8	5.3	6.5
CREAM CHEESE	3.0	3.8	3.7	8.5	9.4	11.4	14.6
BUTTER	4.6	1.2	1.7	0.1	11.1	8.4	11.1
CREAM	4.5	3.0	2.8	2.9	2.2	7.7	10.6

Source: Nielsen figures supplied by SAMPRO

1.7 Producer prices

Producer prices are indicated in Figure 7. The graph is calculated by the MPO based on information supplied by members and other role players, **and is a national average**. The MPO provided a market analysis in MPO Pointer number nine and number 10 (available on the MPO webpage) that indicated how producer prices fell behind prices in the secondary and tertiary industries and that adequate margins exist to bring the producer price in line with the indices tracking price movements in the primary, secondary, and tertiary industries.

The performance of the value of dairy products being sold despite four successive quarters of negative economic growth and the lockdown due to the COVID-19 pandemic indicated a vibrant and economic healthy value chain that can remunerate dairy farmers adequately.

For April 2021, the national average producer price for unprocessed milk is calculated at R5,97 per litre with some buoyancy left. The latent buoyancy is due to the monthly average grain price (30% soya and 70% yellow maize) increasing in May and the prospect of continued high grain prices for in 2021 and 2022. The trend was down since January but May bucked the trend and it reversed.

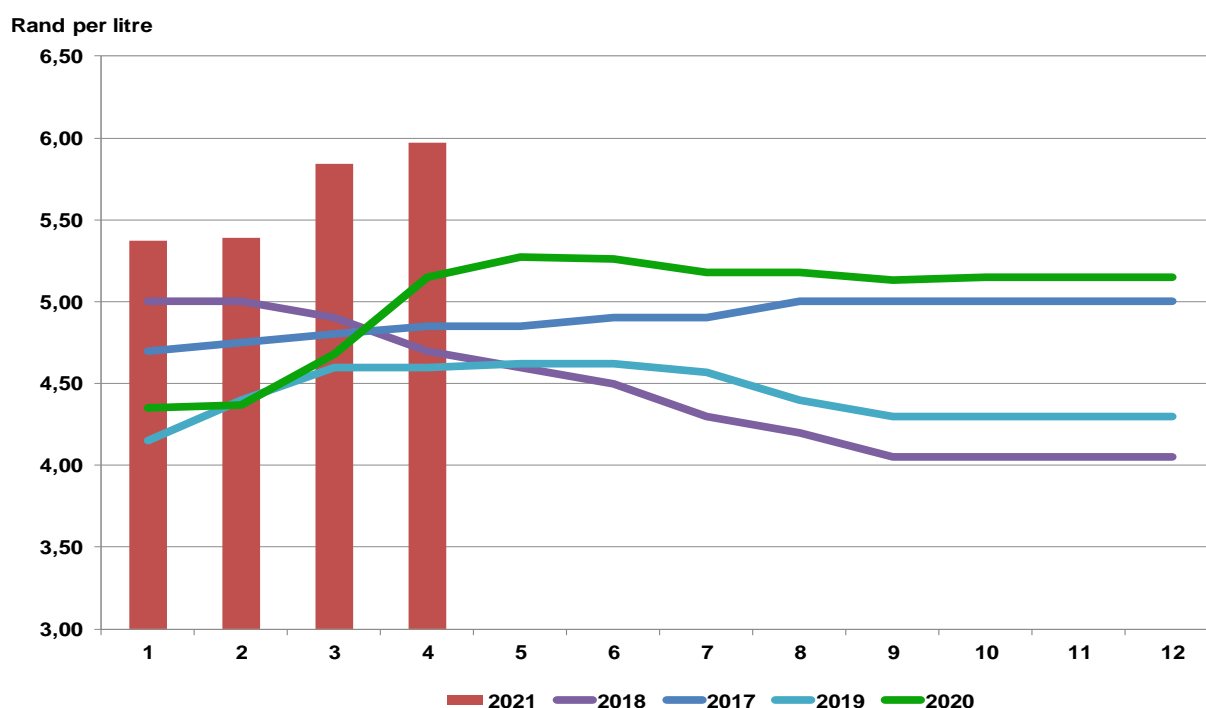


Figure 7 Monthly milk producer prices, 2017-2021

Source: March and April, preliminary, MPO calculations

1.8 Retail prices

Retail prices of fresh milk in different packaging are supplied by the South African National Consumer Union (SANCU). The retail prices of fresh milk per litre for milk packaged in 2-litre plastic containers are compared to producer prices in Figure 8. The farm to retail price spread is too wide and exhibiting a divergent trend. The MPO is focusing on the negative implication of this trend for dairy farmers and alerting various institutions in this regard.

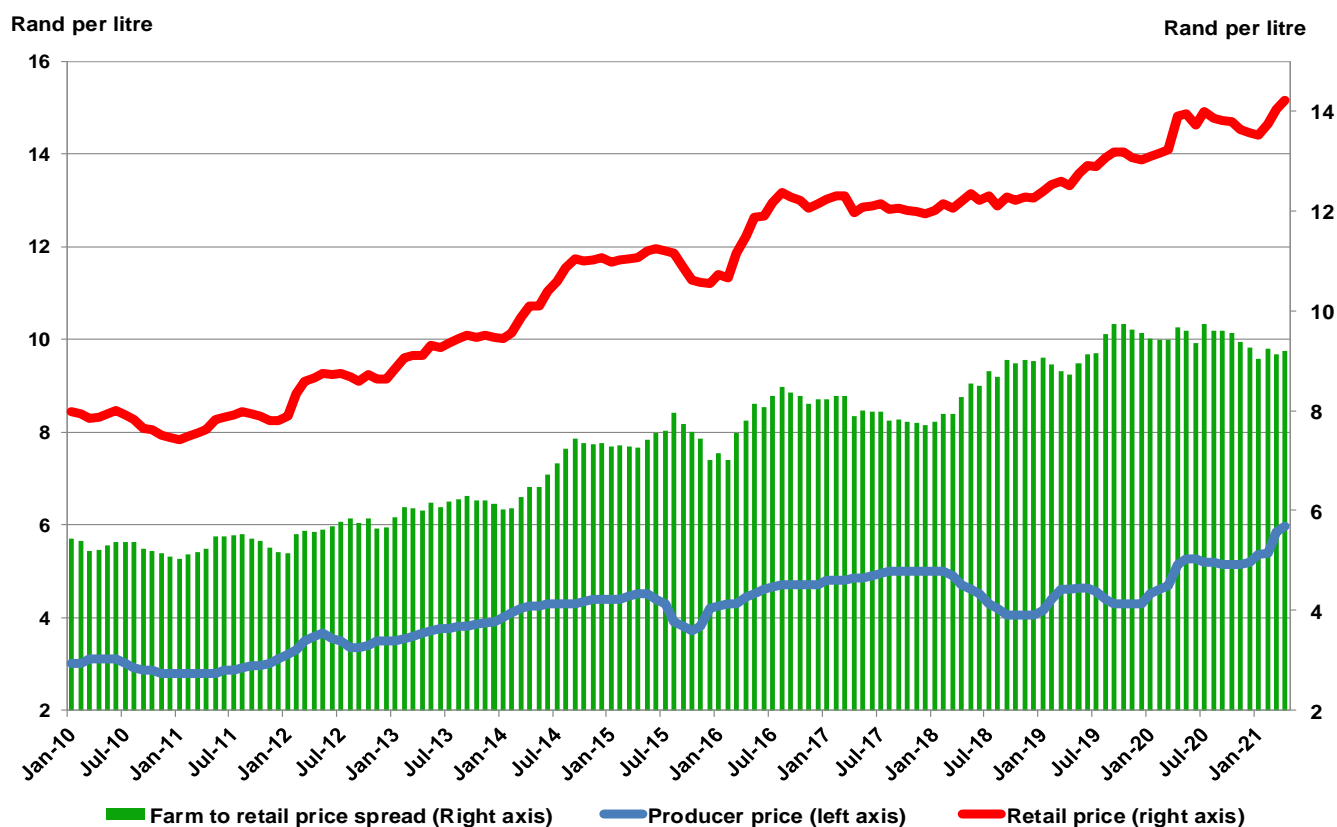


Figure 8 Monthly producer and retail prices, 2010 - 2021

Source: MPO, SANCU

1.9 Concentrate feed price

Feed cost is the most important cost item for milk producers. Internationally, the price of maize and soybeans are used as a proxy for feed prices. A derived feed price is, thus, defined as the weighted price per kilogram of maize and soybeans (70% maize, 30% soybeans). Feed prices, based on Safex nearest month prices, are reflected in Figure 9. Farmers' production decisions are not based on absolute prices, but on relative prices. If the producer price of unprocessed milk decrease in relation to feed prices, farmers will tend to produce less, and if prices increase relative to feed prices, production will increase. Unfavourable milk: feed price ratios will result in slower production growth or lower production over time.

The driver of the higher yellow maize and soya prices on the Chicago Mercantile Exchange (CME), previously known as the Chicago Board of Trade (CBOT), was the unexpected higher demand from China. These developments were carried through to our grain market as well.

The upward trend in feed cost is clearly visible since January 2018 and continued into 2021 with March 2021 starting to put some brakes on prices, but the May 2021 price increasing again to above R4500/tonne.

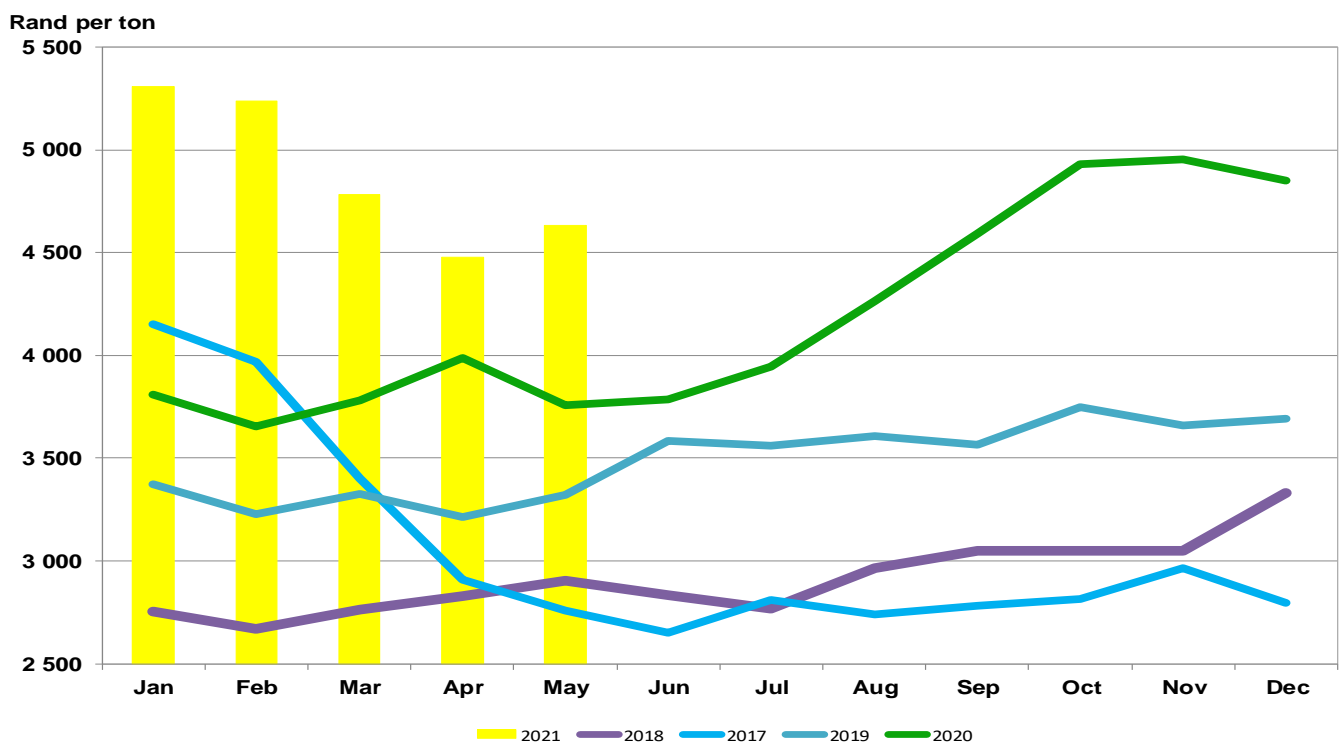


Figure 9 Calculated dairy concentrate feed prices, 2016-2021 *Source: Safex nearest month data*

The level of international corn and soya prices set the grain scene. The corn graph below reflects daily prices from January 2018 to the 3rd of June 2021 on the Chicago Mercantile Exchange. For the period from Jan 2018 to October 2020, a typical price range in broad terms was between 3,5 and 4,0 US\$ per bushel (1 bushel = 25,4kg) for corn. The corn price for May 2021 was between 6,0 and 7,0 US\$ per bushel, almost double the typical range. The table below the corn graph reflects the future month prices for corn and soya as on 3 June 2021. These future contract prices change continuously and exhibits an element of volatility. Nevertheless, the corn prices range between 5,0 and 6,0 US\$ per bushel from July 2021 to Sep 2022 and for soya between 14,0 and 15,50 US\$ per bushel for the rest of 2021. In 2022 the soya price drops to between 13,0 and 14,0 US\$ per bushel. For the period from Jan 2018 to August 2020, a typical price range in broad terms for soya was around 9,0 US\$ per bushel (1 bushel = 27,2kg). Again emphasising the much higher trading range now in play.

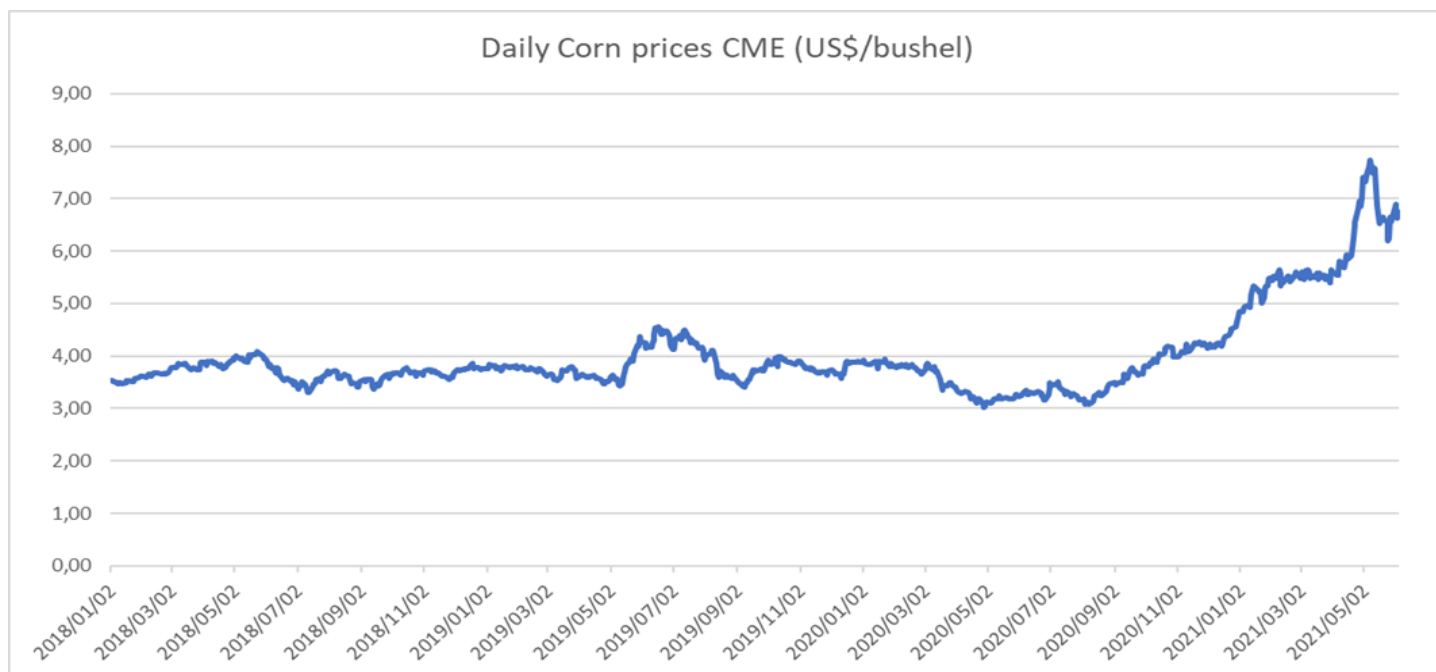


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Comparing the typical trading ranges from the beginning of 2018 to the third quarter of 2020 with the current ranges and future contract ranges, price indications for both corn and soya into 2022 indicate that a possible new price regime have manifested from the last quarter of 2020 through to the third quarter of 2022. These higher price ranges will continue to influence the maize and soya prices in South Africa. Although international grain prices are trending down they are still at much higher levels than in 2018 through to 2020 third quarter. In SA grain prices will remain markedly higher than in 2019 and the first part of 2020 if international grain prices realise the levels as per future contract indications. In the current situation with regard to grain prices and the future indications of these prices, milk buyers should consider a Price Production Stimulus (PPS) of 48 cents to offset the current high levels of grain prices. As soon as the prices in SA normalise, the PPS should be withdrawn.

The milk: concentrate feed price ratio is illustrated in figure 10. The ratio is dangerously low from August 2020 to February 2021. The ratio improved noticeably in March 2021 to 1.22:1 due to improved producer prices and lower grain prices. The improvement continued in April

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Milk : feed price ratio

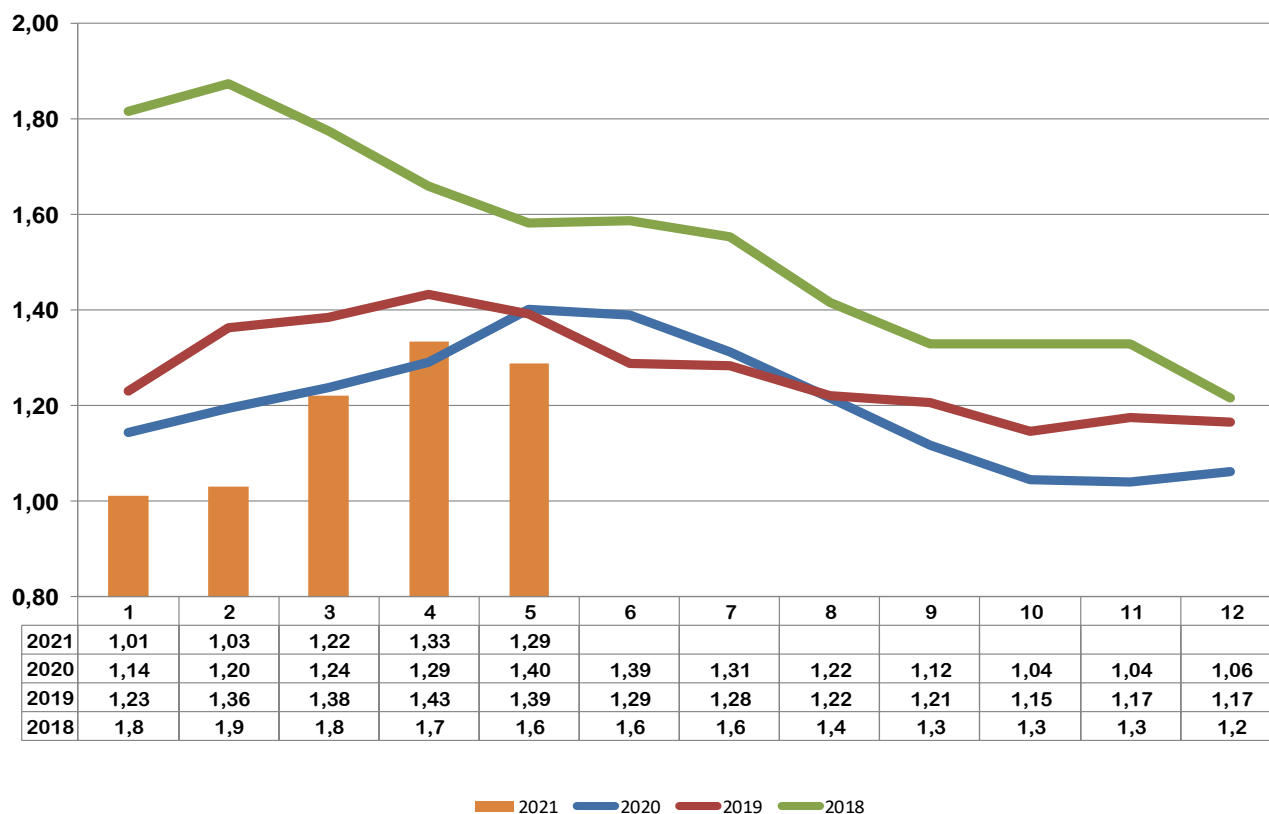
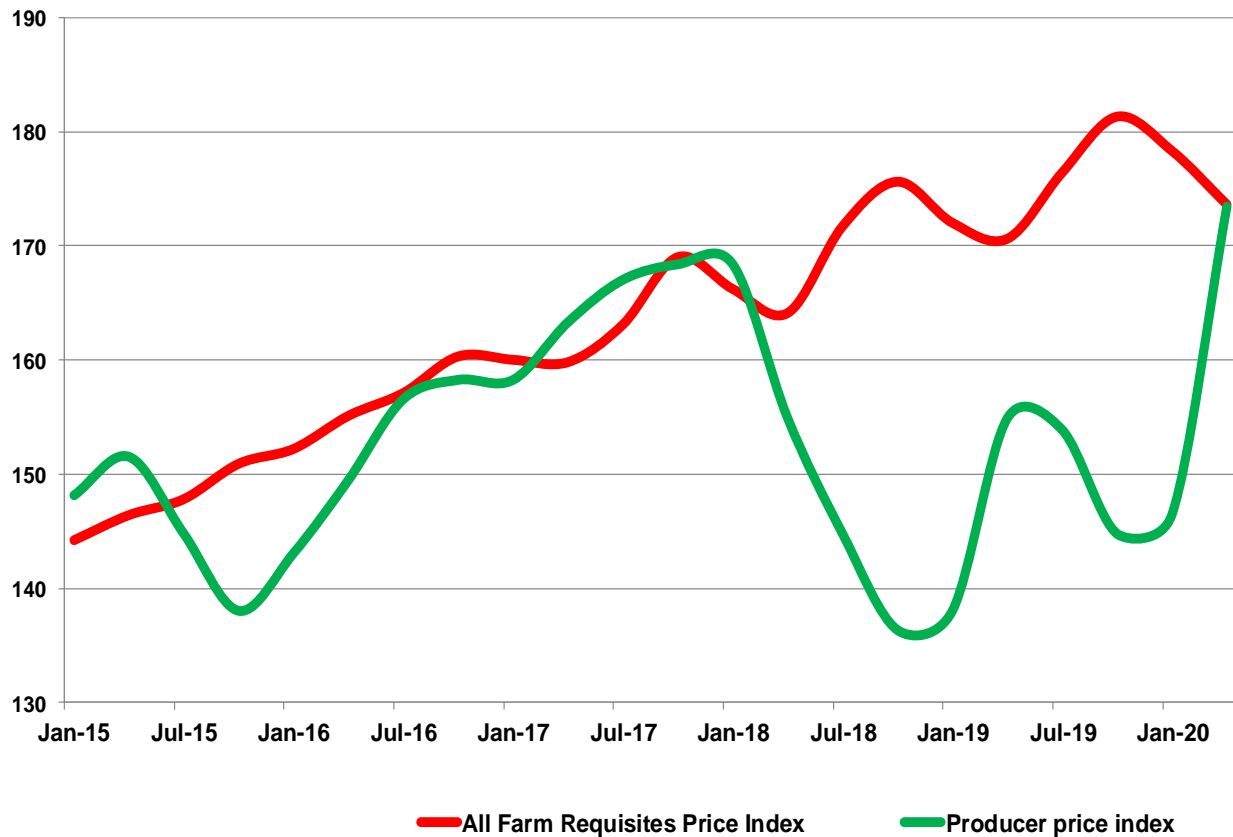


Figure 10 Milk: concentrate feed price ratio, 2016-2020 (Source: MPO calculations; April and May 2021 preliminary)

1.10 Input prices

The Department of Agriculture, Land Reform and Rural Development (DALRRD) publishes price indexes for farm requisites on a quarterly basis. As with all indexes, this index simplifies a very complex data-set to a level that does not correspond to individual farm data-sets. However, the trend in this index gives an indication of the direction of input price changes. The farm requisite index and producer price index are shown in Figure 11. The slump in the producer price, from January 2018 to March 2020, is a glaring injustice and confirms the market analysis of the MPO over that period where the farmer price for milk was too low. Due to this slump, financial stability at dairy farmer level was destroyed.

Index (2010 = 100)



Source: DALRRD, MPO calculation

Figure 11 Quarterly Farm Requisites Price Index and Producer Price Index Jan 2015 – April 2020.

1.11 International prices

The FAO Food Price Index (FFPI) averaged 127.1 points in May 2021, 5.8 points (4.8 percent) higher than in April and as much as 36.1 points (39.7 percent) above the same period last year. The May increase represented the biggest month-on-month gain since October 2010. It also marked the twelfth consecutive monthly rise in the value of the FFPI to its highest value since September 2011, bringing the index only 7.6 percent below its peak value of 137.6 points registered in February 2011. The sharp increase in May reflected a surge in prices for oils, sugar and cereals along with firmer meat and dairy prices.

The FAO Cereal Price Index averaged 133.1 points in May, up 7.6 points (6.0 percent) from April and 35.7 points (36.6 percent) above its May 2020 value. Among the major cereals, international maize prices rose the most, gaining 12.9 points (8.8 percent) in May, reaching 75.6 points (89.3 percent) above their value of the previous year and their highest level since January 2013. Downgraded production prospects for Brazil added pressure to already tight global supplies amidst sustained strong demand. However, towards the end of the month, maize prices started to retreat, mostly in expectation of higher production prospects in the United States.

The FAO Dairy Price Index averaged 120.8 points in May, up 1.7 points (1.5 percent) from April, marking one year of uninterrupted increases and lifting the value 26.4 points (28 percent) above its level of one year ago. However, the index is still 22.8 percent below its peak value reached in December 2013. In May, international quotations for skimmed milk powder rose the most, reflecting solid import demand amid limited spot supplies from the European Union, and those for whole milk powder increased on high import purchases, especially by China, despite New Zealand's offer of large sales. Cheese quotations also strengthened, mostly due to lower supplies from the European Union amidst strong demand. By contrast, butter prices fell on increased export supplies from New Zealand, marking the end of an eleven-month long price rally.

The FAO Meat Price Index* averaged 105.0 points in May, up 2.3 points (2.2 percent) from April, registering the eighth monthly increase and lifting the index 10 percent above its level of one year ago, but still nearly 12 percent below its peak reached in August 2014. In May, price quotations for all meat types represented in the index rose, principally underpinned by a faster pace of import purchases by East Asian countries, mainly China.

Index (2014 - 2016
= 100)

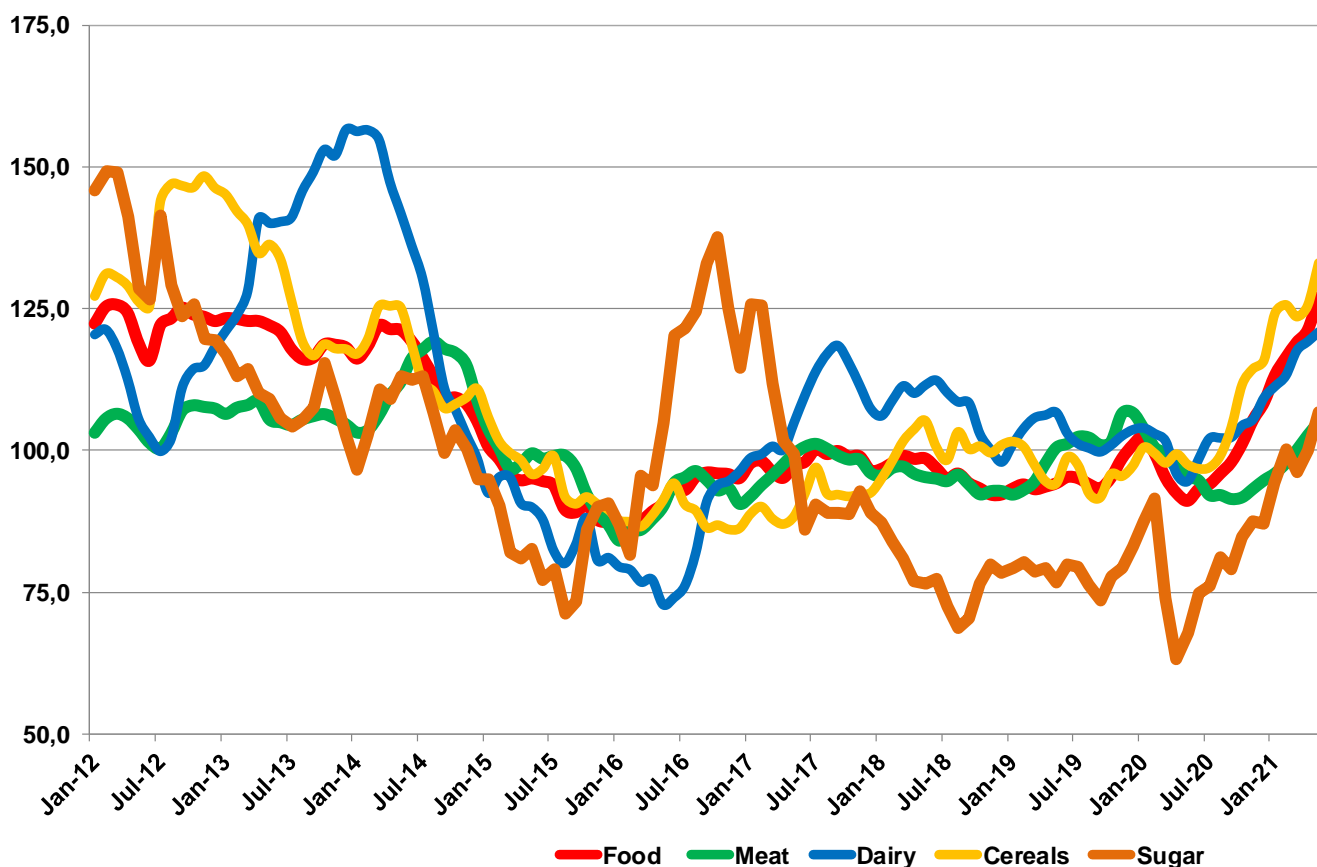


Figure 12 Monthly FAO food price indexes

Source: FAO food price index

The Global Dairy Trade platform is an online auction through which large volumes of dairy products can be sold or bought. There are two trading events per month where people across the globe can enter bids or offers.

Figure 13 shows the movement of the Global Dairy Trade (GDT) price index inclusive of December 2020. According to this index international prices (USD) are continuing to zig-zag with the index showing indication of a change in the wavelength and frequency regarding price movement, starting early in 2020. This usually indicates nervousness in the market when unknown variables are introduced which could relate to the influence of the worldwide pandemic. Both December 2020 and January 2021 registered strong upward momentum. A double break occurred in March 2021. **The 1100 and 1200 index resistance levels were sliced through, showing strong demand with limited supply.** The April index moved sideways, May retreated to below the 1300 index level and the first June auction marginally down further to 1276 points. It seems that global production and shipping time lost during the hard lockdown in 2020 reduced supply and geographical distribution, causing the aggressive price increases.

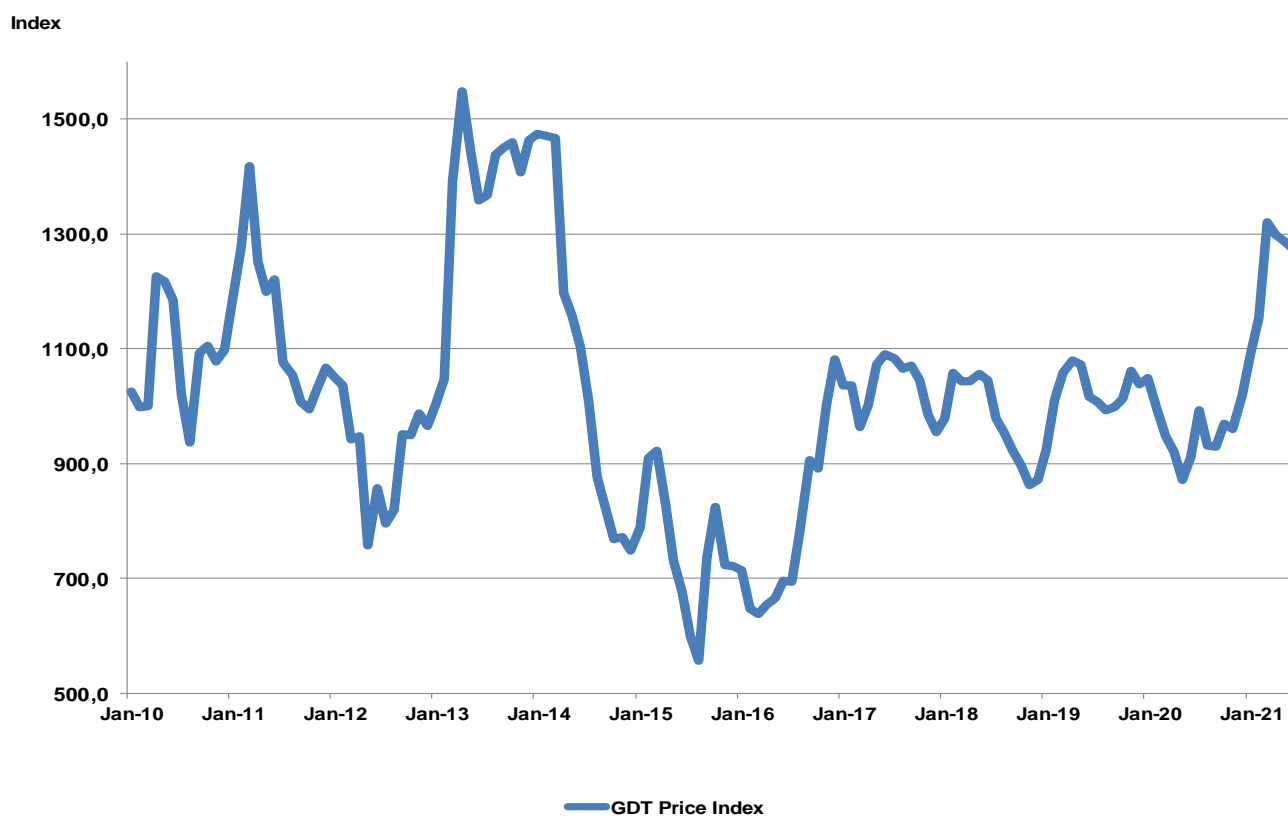


Figure 13 Global dairy trade-weighted price index

Source: Global dairy trade

Figure 14 shows international prices for milk powders, butter, and cheddar cheese as reported by the USDA converted to Rand/tonne inclusive of May 2021. In Rand terms, three of the four product prices increased from May 2020 to May 2021. Butter only marginally by 2%, skimmed milk powder (SMP) by 8%, for whole milk powder (WMP) by 19%, while cheddar cheese decreased by 16%. In US dollar terms all four product prices increased from May 2020 to May 2021. Butter with 31%, skimmed milk powder (SMP) with 39%, for whole milk powder (WMP) with 54%, and cheddar cheese with 8%.

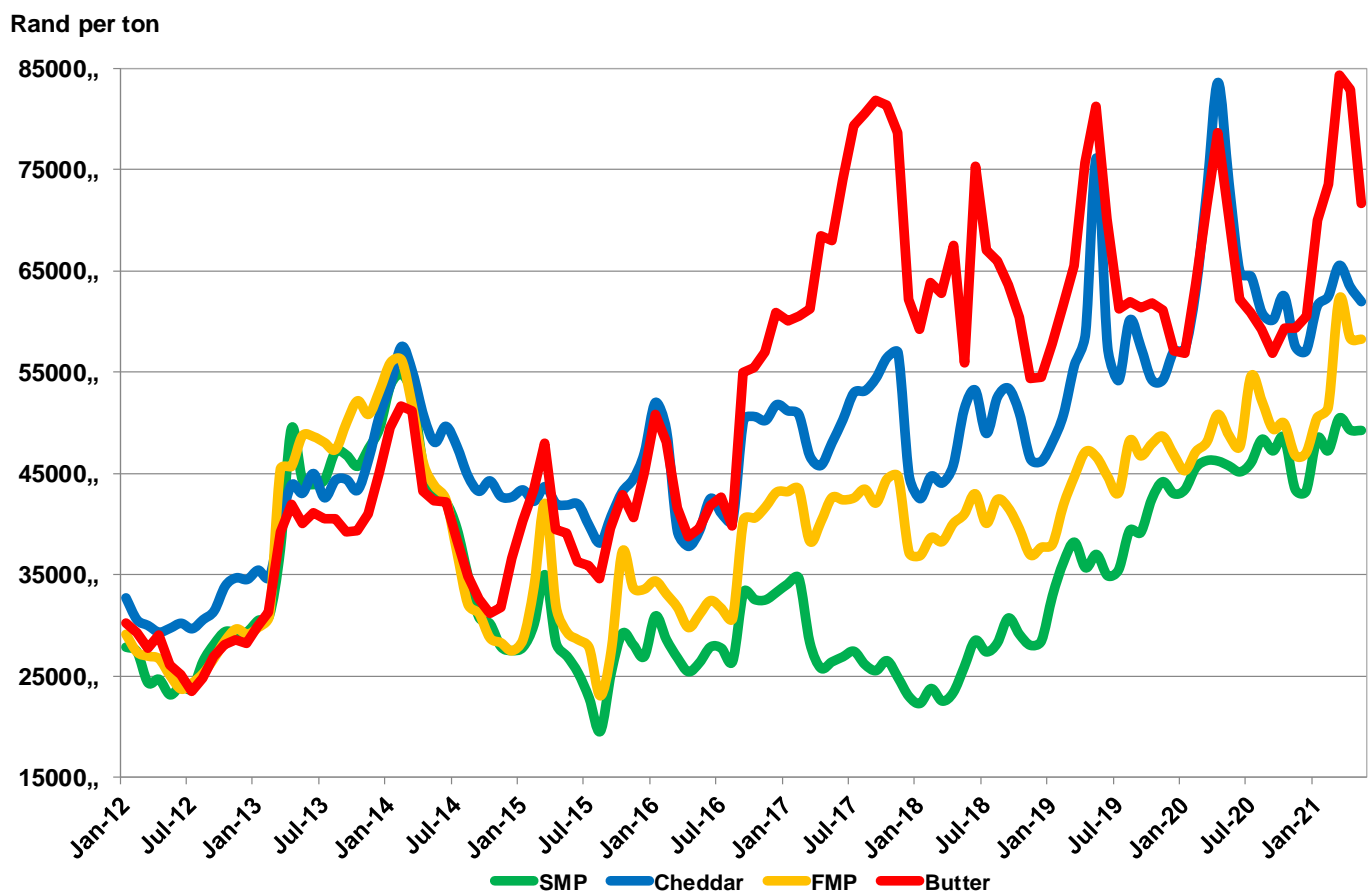


Figure 14 International dairy product prices (Rand/ton)

Source: USDA, SA Reserve Bank

1.12 Import parity and producer prices

The MPO's benchmark import parity is based on the published USDA prices, SA Rand/\$ exchange rates, standard import tariffs and import and production cost as supplied by industry sources. The calculation methodology is standardised and while import parity may differ for a specific importer, based on a specific import mix and individual cost structure, the trend indicated by the import parity index is applicable to all importers

Import parity and producer prices are reflected in Figure 15.

During 2020 two new extreme high levels were recorded, namely in April (difference R2,69) and August (difference R2,36). In 2021 the March difference was the highest at R2,53, while April reduced to R2,22.

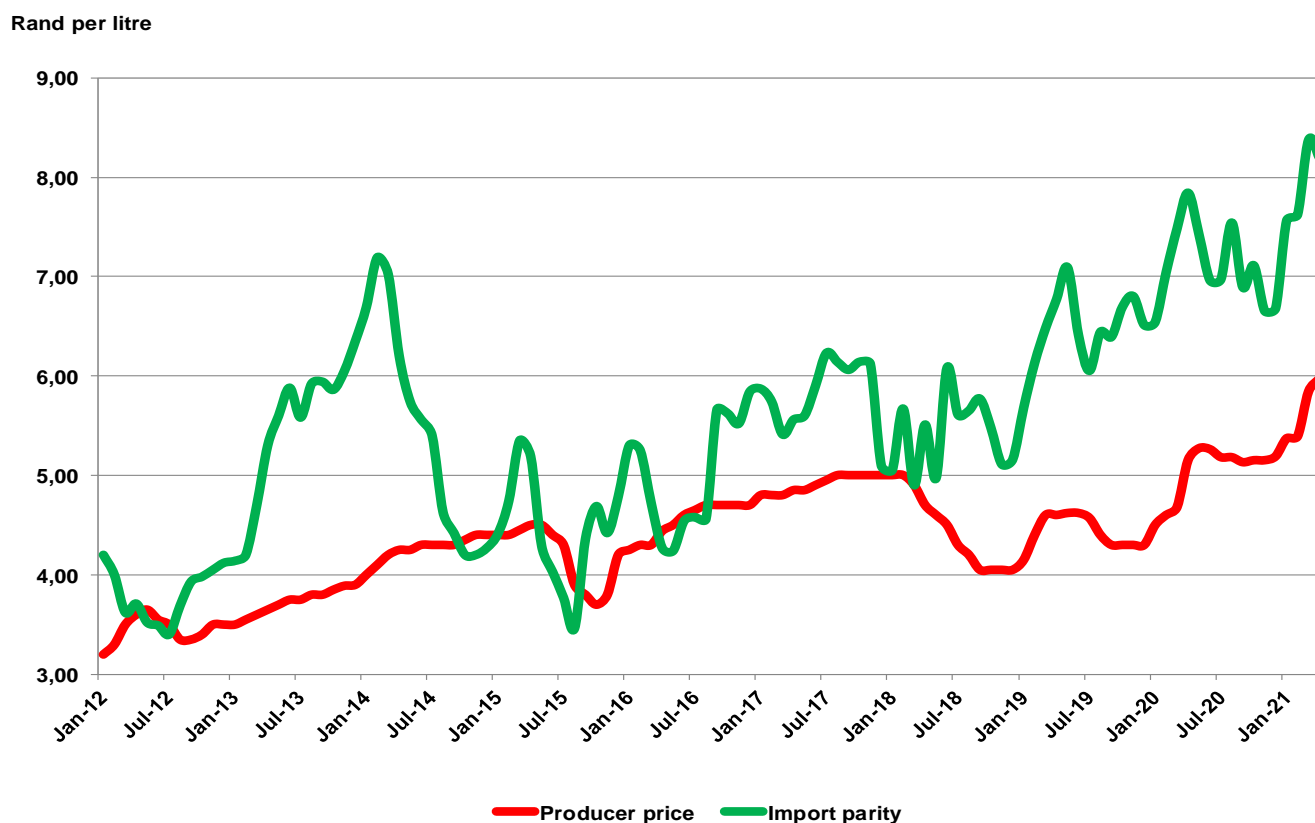


Figure 15 Monthly producer and import parity prices

Source: MPO calculations

Import parity and producer prices

Import parity at or below average producer prices implies that processors can import dairy products at current international prices at a lower price per litre than they have to pay local producers. An importing processor will still have to service the fixed cost on infrastructure and an importing retailer has to pay for packaging and manage returns.

2. Changes in cumulative unprocessed milk production in the major dairy exporting countries

Changes (%) in cumulative unprocessed milk production in the major dairy exporting countries and South Africa 2016 – 2020.

	2016	2017	2018	2019	2020
USA	1.6	1.7	1.1	0.3	2.2
EU	0.2	2.1	1.4	0.4	1.6
AUS	-6.9	0	0.9	-7.3	2.8
NZ	-2.0	1.7	1.3	-0.8	0.4
URU	-10.4	7.6	5.7	-4.0	5.4
ARG	-14.4	-1.6	6.4	-2.3	7.4
ZA	-0.5	3.0	5.0	0.7	-0.16

(Source: CLAL and Milk SA)

Milk production at farm level has improved in 2020 compared to 2019 for all the major exporting countries. This is due to better climatic conditions and improved producer price levels. South Africa is the odd one out, confirming that our producer price is trailing the rest of the world. This phenomenon was born in 2018 and will bear a difficult 2021.

3. Economic overview

3.1 International economic outlook

After an estimated contraction of -3.3 percent in 2020, the global economy is projected to grow at 6 percent in 2021, moderating to 4.4 percent in 2022. The projections for 2021 and 2022 are 0.8 percentage point and 0.2 percentage point stronger than in the October 2020 WEO, reflecting additional fiscal support in a few large economies and the anticipated vaccine-powered recovery in the second half of the year. Global growth is expected to moderate to 3.3 percent over the medium term—reflecting projected damage to supply potential and forces that predate the pandemic, including aging-related slower labour force growth in advanced economies and some emerging market economies.

Thanks to unprecedented policy response, the COVID-19 recession is likely to leave smaller scars than the 2008 global financial crisis. However, emerging market economies and low-income developing countries have been hit harder and are expected to suffer more significant medium-term losses. Output losses have been particularly large for countries that rely on tourism and commodity exports and for those with limited policy space to respond. Many of these countries entered the crisis in a precarious fiscal situation and with less capacity to mount major health care policy responses or support livelihoods. The projected recovery follows a severe contraction that has had particularly adverse employment and earnings impacts on certain groups. Youth, women, workers with relatively lower educational attainment, and the informally employed have generally been hit hardest. Income inequality is likely to increase significantly because of the pandemic. Close to 95 million more people are estimated to have fallen below the threshold of extreme poverty in 2020 compared with pre-pandemic projections. Moreover, learning losses have been more severe in low-income and developing countries, which have found it harder to cope with school closures, and especially for girls and students

from low-income households. Unequal setbacks to schooling could further amplify income inequality.

Future developments will depend on the path of the health crisis, including whether the new COVID-19 strains prove susceptible to vaccines or they prolong the pandemic and the effectiveness of policy actions to limit persistent economic damage.

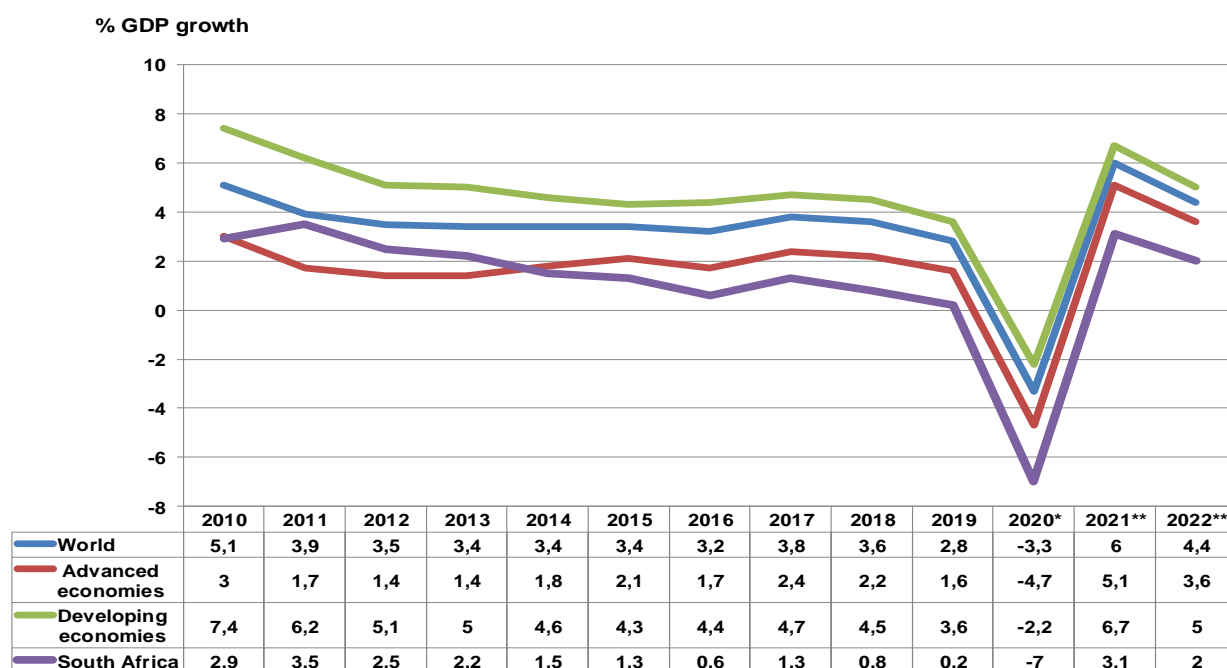


Figure 16 International economic growth and estimated growth

* Estimate
** Projection

Source: IMF WEO April 2021

3.2 South African economy

3.2.1 Economic activity and growth

Indicators of economic activity are provided by the SA Reserve Bank in the form of a co-incident, leading and lagging indicator. The monthly movement of the leading and co-incident indicator of economic activity is reflected in Figure 17. Both composite indicators supports the hypothesis of a V-shape economic recovery for the South African economy. Both indicators trended north from May 2020. In December 2020, the co-incident started trending downward, while the leading indicator turned south in January 2021, indicating reduced economic activity.

Indicators of economic activity

The co-incident indicator of economic activity show whether the economy is in an upwards or downwards phase of the business cycle. The leading indicator shows possible changes in economic activity in future.

Index (2000 = 100)

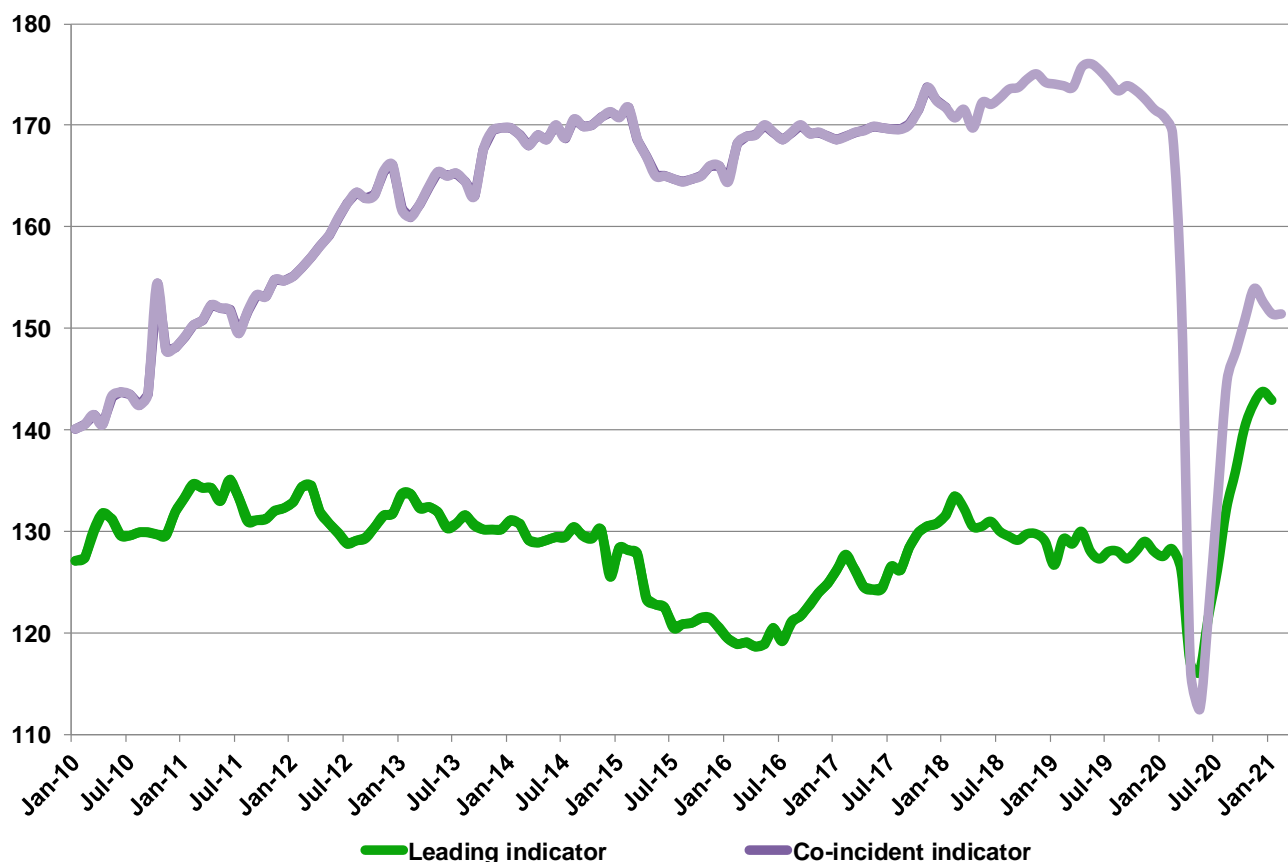


Figure 17 Leading and co-incident indicator of economic activity (Source: SARB)

Figure 18 shows the quarterly growth rate of the SA gross domestic product. The SA economy contracted by 3.2% in the first quarter of 2019, in the second quarter a growth rate of 3.1% was achieved, in the third quarter it contracted again by 0.8% and in the last quarter of 2019 the economy contracted by 1.4%. The consecutive quarterly contractions placed SA in a technical recession. The SA economy registered a marginal growth rate of 0.2% for the full year 2019, which is the lowest over the past 10 years.

The South African economy in 2020 contracted with 1.8% in the first quarter, with 51% in the second quarter and expanded with 66% in the third quarter of 2020 and expanded with 6.3% in the last quarter of 2020 (annualised percentages). The SA economy registered a growth rate of -7.0% for the full year of 2020, which is the lowest over the past 60 years.

Annual % change

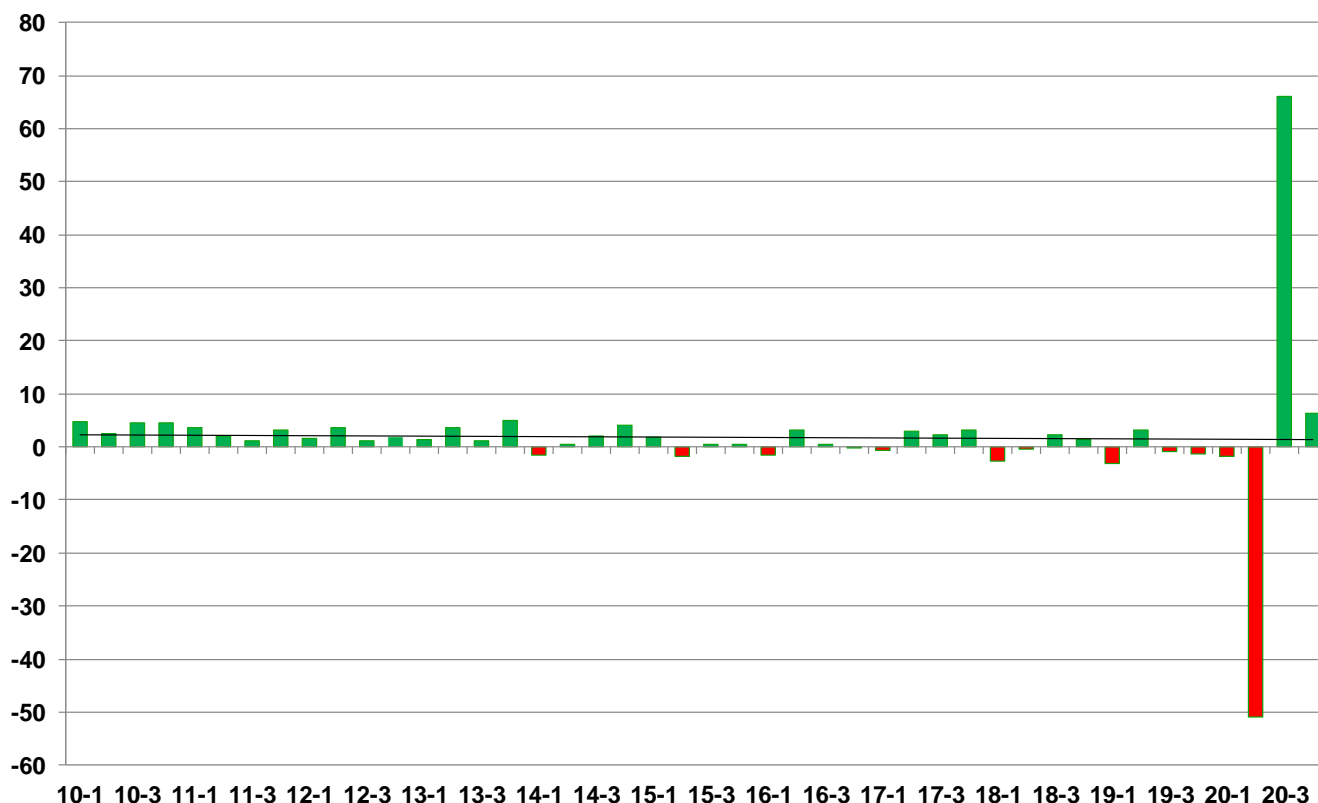


Figure 18 Quarterly change in real gross domestic product

Source: Stats SA

3.2.2 Household debt and income

Household debt increased in the third quarter of 2020 following an unprecedented decline in the second quarter. However, household debt as a percentage of nominal disposable income decreased from 86.5% in the second quarter of 2020 to 75.7% in the third quarter, as the increase in household disposable income exceeded that in debt.

3.2.3 Inflation

The consumer price index and monthly inflation rate are reflected in Figure 19.

Annual consumer price inflation started at 3,2% in January 2021, 2,9% in February 2021, March 2021 back to 3,2% and in April 4,4%. This is the highest level since March 2020. The main contributors to the 4,4% annual inflation rate were food and non-alcoholic beverages; housing and utilities; transport; and miscellaneous goods and services. Food and non-alcoholic beverages increased by 6,3% year-on-year, and contributed 1,1 percentage points to the total CPI annual rate of 4,4%. Housing and utilities increased by 2,3% year-on-year, and contributed 0,6 of a percentage point. Transport increased by 10,6% year-on-year, and contributed 1,5

percentage points. Miscellaneous goods and services increased by 4,0% year-on-year, and contributed 0,7 of a percentage point.

Consumer price index (CPI) and inflation

The CPI is the value of a basket of goods and services on retail price level. The change in the value of this basket compared to the same period a year ago is called the rate of inflation. The Reserve Bank tries to keep the rate of inflation between 3% and 6%.

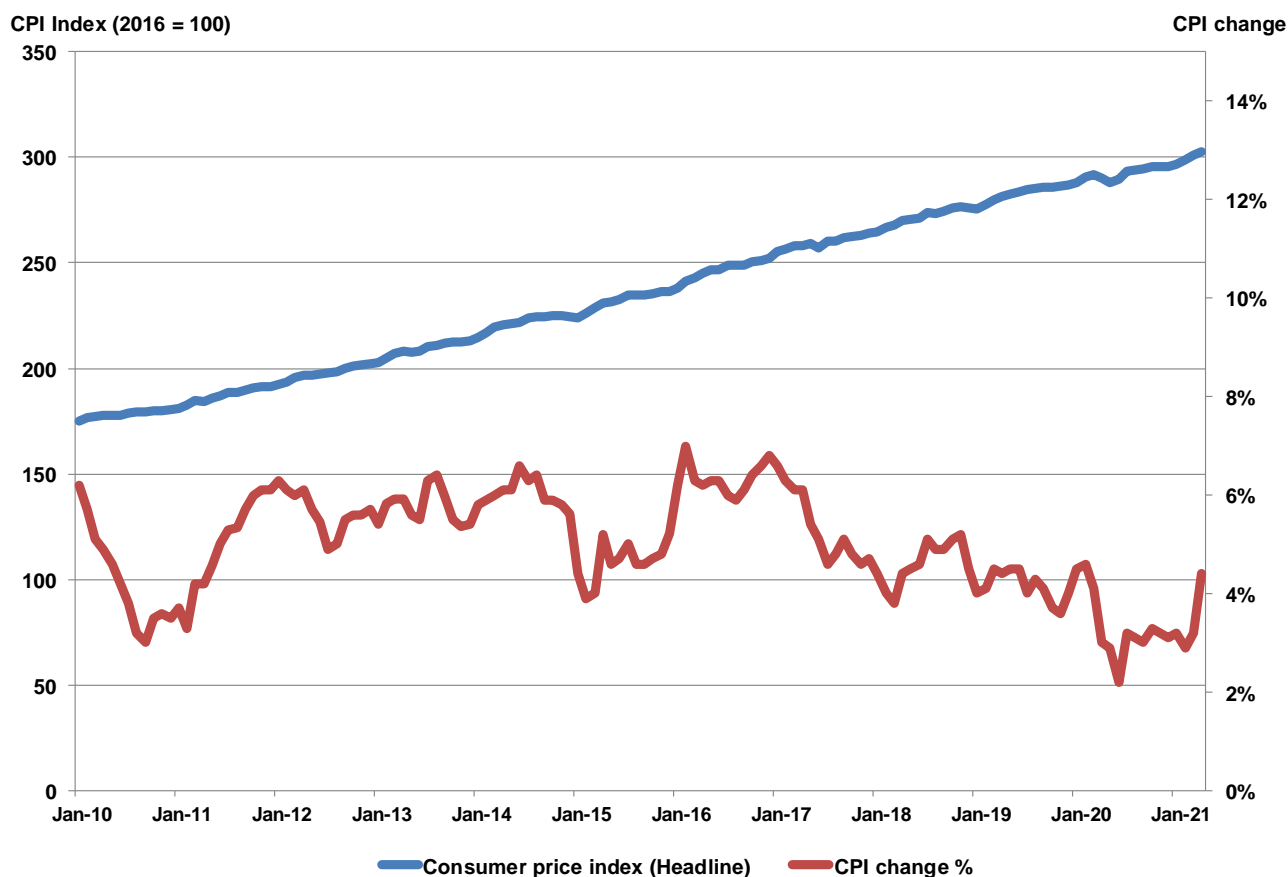


Figure 19 Consumer price index and consumer price inflation, 2007-2021

Source: Stats SA