



Beetroot



English Cucumber



Sweet Potato



Watermelon



Sweet melon



Lettuce .



Cauliflower



Broccoli



Mushroom



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## HORTICULTURE: VEGETABLES PRODUCTION FORECAST

### REPORT NO 3

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**FORECASTED PERIOD:**

**01 JANUARY 2022 TO 31 MAY 2022**

**Agronomy and Horticulture Market Development  
Division**

**Horticulture Market Development Subdivision**

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## 1. INTRODUCTION

Report no. 3, covers the local production forecast for the six special controlled products i.e., Beetroot, English Cucumber, Sweet Potato, Watermelon, Sweet melon and Lettuce as well as 3 monitored crops i.e., Cauliflower, Broccoli and Mushroom. The production of the special controlled products is monitored by NAB and involves close border period whenever sufficient local production is expected, and this scheme is implemented in line with the market share promotion scheme to stimulate local production of horticultural products in Namibia, as a growth at home strategy implemented by the NAB. Monitored crops are those horticultural crops whose production is closely monitored and have the greatest potential to be converted as special controlled products in the future. Hence, they are not part of the special controlled scheme yet and during the close border period they are imported as part of mixed fruit and vegetables import permit valid for 90 days. Thus, this report discusses the production forecast per production area (table 2), availability of the expected crops per producer (table 2A), tabulation (table 3A) and graphical (figure 1 to 11) analysis for the expected production versus local demand for this reporting period.

**Table 1 below show the inclusions and exclusions of the special controlled products**

Special Controlled Product	Inclusions (Not allowed to be imported, only during open border period)	Exclusions (Allowed to be imported with no restriction)
Beetroot	All types, size groups and container size of fresh, chilled, Whole or Cut red fleshed Beetroot, except the "Exclusions".	Yellow, white and golden fleshed Beetroot. All frozen, dried, cooked and preserved beetroot (Whole or Cut). Including Juice/Jam
English Cucumber	All types, size groups and container size of fresh, chilled, Whole or Cut English Cucumber, except the "Exclusions".	Preserved English Cucumber, other types of cucumbers. All frozen, dried, cooked and preserved English Cucumber (Whole or Cut).
Sweet Potato	All types, size groups and container sizes of fresh, chilled, Whole or Cut Sweet Potato, except the "Exclusions".	Yellow/Cream fleshed Sweet Potato (Zambian type), Purple Sweet Potato. All frozen, dried, cooked, and preserved Sweet Potato (Whole or Cut).
Watermelon	All types, size groups and container size of fresh, chilled, Whole or Cut Watermelon, except the "Exclusions".	All Watermelon Juices and Jam.
Sweet melon	All types, size groups and container size of fresh, chilled, Whole or Cut Sweet Melon, except the "Exclusions".	All Sweet melon Juices and Jam.
Lettuce	All types, grades, size groups and container sizes of fresh, chilled, Whole or Cut light green/green Iceberg Lettuce as called Head Lettuce, except the "Exclusions".	All Butterhead, Leafy or Stem types of Lettuce of any colour. All frozen, dried, cooked and preserved Lettuce (Whole or Cut) of any colour and shape.

**Whole:** any fresh fruit or vegetable that have not been altered from its original form.

**Cut:** any fresh fruit or vegetable that has been physically altered from its original form but remains in a fresh state.

**Dried:** any Fresh fruit or vegetable that have been dried or dehydrated, either whole or in pieces/cuts.

**Frozen:** any fresh fruits or vegetables that have had their temperature reduced and maintained to below their freezing point.

**Chilled:** any fresh fruit or vegetable with the temperature reduced to around 0C without the products being frozen.

**Cooked:** Refers to fruit and vegetables that are cooked by steaming or boiling in water, either whole or in pieces/cuts.

**Preserved:** Refers to fresh fruit and vegetables soaked in brine or vinegar, or other liquids, either whole or in pieces/cuts.

## 2. PRODUCTION TONNAGE EXPECTED PER AREA

Table 1A, indicates that, during the reporting period, the biggest portion of Beetroot is expected to be harvested in the Karst while English Cucumber is from Central production zone and Watermelon and Sweetmelon to be harvested from South and Orange production zones.

Table 1A: Monthly expected production per area, per crop for the period 01 Jan 2022 - 31 May 2022															
Numbers in the table below represents tonnage expected to harvested for local and export market														Last updated: 19 Dec 2021	
PRODUCTION AREAS	CROPS	1-15 Jan 22		16-31 Jan 22		Feb-22		Mar-22		Apr-22		May-22		Total (for the 5 months period)	
		Local	Export	Local	Export	Local	Export	Local	Export	Local	Export	Local	Export	Yield	Ha to be harvested
ZAMBEZI	Beetroot	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
	English Cucumbers	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
	Sweet Potatoes	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
	Watermelon	3.1	0.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.25	0.25
	Sweetmelon	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
	Lettuce	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
KAVANGO	Beetroot	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
	English Cucumbers	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
	Sweet Potatoes	3.8	0.0	3.0	0.0	7.5	0.0	12.0	0.0	0.0	0.0	0.0	0.0	23.25	1.15
	Watermelon	40.0	0.0	40.0	0.0	80.0	0.0	80.0	0.0	80.0	0.0	0.0	0.0	400.00	5.00
	Sweetmelon	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.00	0.25
	Lettuce	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.000
NORTH CENTRAL	Beetroot	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.25	0.25
	English Cucumbers	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
	Sweet Potatoes	146.6	0.0	3.0	0.0	74.5	0.0	65.1	0.0	35.7	0.0	20.7	0.0	345.57	16.86
	Watermelon	2.8	0.0	0.0	0.0	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.70	0.24
	Sweetmelon	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
	Lettuce	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
KARSTLAND	Beetroot	68.1	0.0	93.1	0.0	106.3	0.0	80.0	0.0	80.0	0.0	80.0	0.0	507.50	17.25
	English Cucumbers	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
	Sweet Potatoes	5.0	0.0	10.0	0.0	10.0	0.0	0.0	0.0	6.0	0.0	20.0	0.0	61.00	3.05
	Watermelon	383.0	0.0	100.0	0.0	91.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	574.50	12.13
	Sweetmelon	3.8	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.38	1.06
	Lettuce	3.8	0.0	3.8	0.0	7.0	0.0	7.5	0.0	7.5	0.0	7.5	0.0	38.06	1.25

Table 1A. continues....

CENTRAL	Beetroot	5.0	0.0	5.0	0.0	10.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	50.00	2.50
	English Cucumbers	117.5	0.0	96.5	0.0	202.5	0.0	202.5	0.0	167.5	0.0	147.5	0.0	579.00	18.99
	Sweet Potatoes	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.00	1.00
	Watermelon	120.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	120.00	4.00
	Sweetmelon	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
	Lettuce	15.0	0.0	15.0	0.0	30.0	0.0	30.0	0.0	30.0	0.0	30.0	0.0	140.00	5.00
SOUTH AND ORANGE RIVER	Beetroot	50.0	0.0	10.0	0.0	10.0	0.0	10.0	0.0	10.0	0.0	0.0	0.0	50.00	3.10
	English Cucumbers	5.0	0.0	5.0	0.0	10.0	0.0	10.0	0.0	10.0	0.0	10.0	0.0	50.00	0.60
	Sweet Potatoes	0.0	0.0	0.0	0.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60.00	6.00
	Watermelon	365.0	0.0	345.0	0.0	580.0	0.0	520.0	0.0	190.0	0.0	60.0	0.0	2060.00	23.00
	Sweetmelon	115.0	0.0	165.0	0.0	230.0	0.0	230.0	0.0	60.0	0.0	0.0	0.0	800.00	19.00
	Lettuce	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
Total expected production per crop per month	Beetroot	129.4	0.0	108.1	0.0	126.3	0.0	100.0	0.0	90.0	0.0	80.0	0.0	613.75	23.10
	English Cucumbers	122.5	0.0	101.5	0.0	212.5	0.0	212.5	0.0	177.5	0.0	157.5	0.0	629.00	19.59
	Sweet Potatoes	185.3	0.0	16.0	0.0	152.0	0.0	77.1	0.0	41.7	0.0	40.7	0.0	519.82	27.01
	Watermelon	913.9	0.0	485.0	0.0	756.5	0.0	600.0	0.0	270.0	0.0	60.0	0.0	3165.45	44.61
	Sweetmelon	118.8	0.0	165.0	0.0	230.5	0.0	230.0	0.0	60.0	0.0	0.0	0.0	819.38	24.31
	Lettuce	18.8	0.0	18.8	0.0	37.0	0.0	37.5	0.0	37.5	0.0	37.5	0.0	178.06	6.25

Source: NAB 2021

Table 1B shows the expected tonnage for mushroom for the forecasted period

Table 1B: Monthly expected production per area, per crop for the period 01 Jan 2022 - 31 May 2022															
Numbers in the table below represents tonnage expected to harvested for local and export market														Last updated: 18 Dec 2021	
PRODUCTION AREAS	CROPS	1-15 Jan 22		16-31 Jan 21		Feb-22		Mar-22		Apr-22		May-22		Total (for the 5 months period)	
		Local	Export	Local	Export	Local	Export	Local	Export	Local	Export	Local	Export	Yield	Ha to be harvested
CENTRAL	Cauliflower	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
	Broccoli	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
	Mushroom	10.0	0.0	10.0	0.0	20.0	0.0	20.0	0.0	20.0	0.0	20.0	0.0	80.00	0.60
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
Total expected production per crop per month	Cauliflower	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
	Broccoli	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
	Mushroom	10.0	0.0	10.0	0.0	20.0	0.0	20.0	0.0	20.0	0.0	20.0	0.0	80.00	0.60
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00

Source: NAB 2021

### 3. EXPECTEDCTED AVAILABILITY PER PRODUCER

Table 2A below, shows the expected month of availability for the 6 special controlled crops from different production zone.































TABLE: 2A																																		
KEYS : BEETROOT  ENGLISH CUCUMBER  SWEET POTATO  WATERMELON  SWEETMELON  LETTUCE 																																		
PERIOD: 01 Jan 2022 TO 31 May 2022																																		
NAME OF PRODUCER	MARKET			1-15 Jan-22					16-31 Jan-22					Feb-22					Mar-22					Apr-22					May-22					
	Informal	Formal	Export	Beetroot	English Cucumber	Sweet Potato	Watermelon	Sweet melon	Lettuce	Beetroot	English Cucumber	Sweet Potato	Watermelon	Sweet melon	Lettuce	Beetroot	English Cucumber	Sweet Potato	Watermelon	Sweet melon	Lettuce	Beetroot	English Cucumber	Sweet Potato	Watermelon	Sweet melon	Lettuce	Beetroot	English Cucumber	Sweet Potato	Watermelon	Sweet melon	Lettuce	
ZAMBEZI																																		
1 Hans Matiti	√	√																																
KAVANGO AREA																																		
1 Maria Magdalena Wilhelm	√	√																																
2 Lazarus nande	√	√																																
3 Ignatius Hamupembe	√	√																																
4 Lourens Le Grange	√	√																																
5 Augustinus Proto	√	√																																
6 Henrick Locke	√	√																																
NORTH CENTRAL AREA																																		
1 Paulus Kapuka	√	√																																
2 Sacky Shilyomuntu	√	√																																
3 Silvanus Naunyango	√	√																																
4 Noa Hanyanya	√	√																																
5 Ismael Kapuka	√	√																																
6 Epafra Nghilengwa	√	√																																
7 Shetuuka Shetuuka	√	√																																
8 Elise Auino	√	√																																
9 Veikko Imalwa	√	√																																

Table 2A continues.....

[illegible]

## KARSTLAND AREA

[illegible]

Table 2A continues.....

[illegible]










Table 2A continues.....



<b>SOUTH AND ORANGE RIVER AREAS</b>																																			
1	Hermany van Dyk	✓	✓																																
2	Hentie van Dyk	✓	✓																																
3	Lovisa Sackaria	✓	✓																																
4	SSW Louw																																		
5	Charl van Rensburg	✓	✓																																
6	Johan Roux	✓	✓																																
7	Nico Visser	✓	✓																																
8	Louis Louw	✓	✓																																
9	Rudie Kotze	✓	✓																																
10	Jean Roux	✓	✓																																
11	Burger Harmse	✓	✓																																
12	Francois van Rensburg	✓	✓																																
Kindly note: Producers not listed herein, it is either they will not be harvesting any of the produce covered by report three or they did not provide the required data to NAB.																																			

Source: NAB 2021

Table 2B shows the availability of Mushroom as a monitored crop and will only be harvested from central production zone.

TABLE: 2B																																					
KEYS : CAULIFLOWER 										BROCCOLI 										MUSHROOM 																	
PERIOD: 01 May 2022 TO 31 May 2022																																					
NAME OF PRODUCER		MARKET			1-15 Jan-22					16-31 Jan-22					Feb-22					Mar-22					Apr-22					May-22							
		I n f o r m a l	F o r m a l	E x p o r t	Cauliflower	Broccoli	Mushroom				Cauliflower	Broccoli	Mushroom				Cauliflower	Broccoli	Mushroom				Cauliflower	Broccoli	Mushroom				Cauliflower	Broccoli	Mushroom						
CENTRAL AREA																																					
1	Jan Conradie	√	√																																		
Kindly note: Producers not listed herein, it is either they will not be harvesting any of the three products or they did not provide the required data to NAB.																																					

Source: NAB 2021

## 4. EXPECTED PRODUCTION AND DEMAND ANNALYSIS

### 4.1 TABULATION ANALYSIS OF DOMESTIC DEMAND

According to table 3A, sufficient local supply of English Cucumbers, Beetroots, Watermelons, Sweet melons is expected during the forecasted period.

<b>Table 3A: Analysis of the total expected tonnage for domestic market versus domestic demand.</b>								
Numbers in this table represents tonnage expected to harvested for local and export market								
Last updated: 19 Dec 2021								
Crops	Expected <b>Surplus</b> or <b>Shortage</b>	1-15 Jan 22	16-31 Jan 22	Feb-22	Mar-22	Apr-22	May-22	Total
<b>Beetroot</b>	Expected Tonnage for domestic market	129	108	126	100	90	80	<b>526</b>
	Average Domestic Demand (2019/20)	95	95	95	95	95	95	<b>475</b>
	<b>Surplus / shortage</b> (Tonnage)	<b>34</b>	<b>13</b>	<b>31</b>	<b>5</b>	<b>-5</b>	<b>-15</b>	<b>51</b>
<b>English Cucumber</b>	Expected Tonnage for domestic market	123	102	213	213	178	158	<b>883</b>
	Average Domestic Demand (2019/20)	95	95	95	95	95	95	<b>475</b>
	<b>Surplus / shortage</b> (Tonnage)	<b>28</b>	<b>7</b>	<b>118</b>	<b>118</b>	<b>83</b>	<b>63</b>	<b>408</b>
<b>Sweet Potato</b>	Expected Tonnage for domestic market	185	16	152	77	42	41	<b>497</b>
	Average Domestic Demand (2019/20)	120	120	120	120	120	120	<b>600</b>
	<b>Surplus / shortage</b> (Tonnage)	<b>65</b>	<b>-104</b>	<b>32</b>	<b>-43</b>	<b>-78</b>	<b>-79</b>	<b>-103</b>
<b>Watermelon</b>	Expected Tonnage for domestic market	914	485	757	600	270	60	<b>2600</b>
	Average Domestic Demand (2019/20)	160	160	160	160	160	160	<b>800</b>
	<b>Surplus / shortage</b> (Tonnage)	<b>754</b>	<b>325</b>	<b>597</b>	<b>440</b>	<b>110</b>	<b>-100</b>	<b>1800</b>
<b>Sweet melon</b>	Expected Tonnage for domestic market	119	165	231	230	60	0	<b>639</b>
	Average Domestic Demand (2019/20)	100	100	100	100	100	100	<b>500</b>
	<b>Surplus / shortage</b> (Tonnage)	<b>19</b>	<b>65</b>	<b>131</b>	<b>130</b>	<b>-40</b>	<b>-100</b>	<b>139</b>
<b>Lettuce</b>	Expected Tonnage for domestic market	19	19	37	38	38	38	<b>168</b>
	Average Domestic Demand (2019/20)	75	75	75	75	75	75	<b>375</b>
	<b>Surplus / shortage</b> (Tonnage)	<b>-56</b>	<b>-56</b>	<b>-38</b>	<b>-38</b>	<b>-38</b>	<b>-38</b>	<b>-207</b>

Source: NAB 2021

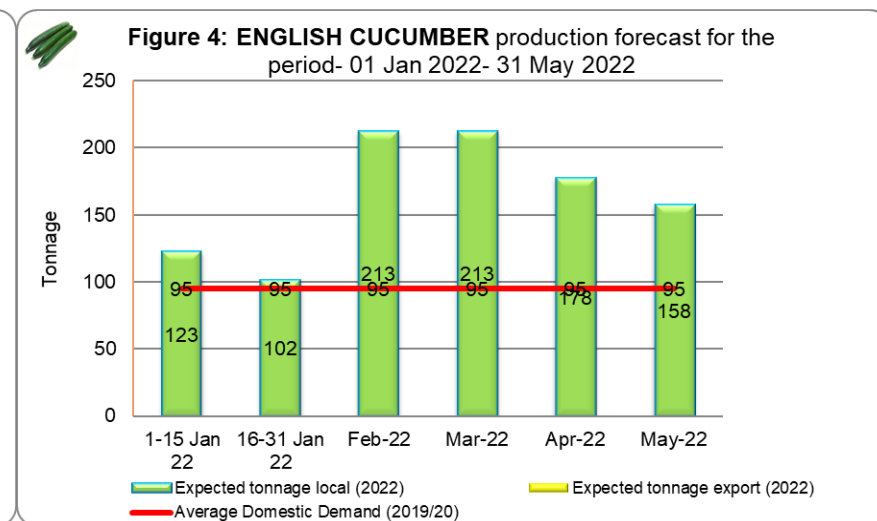
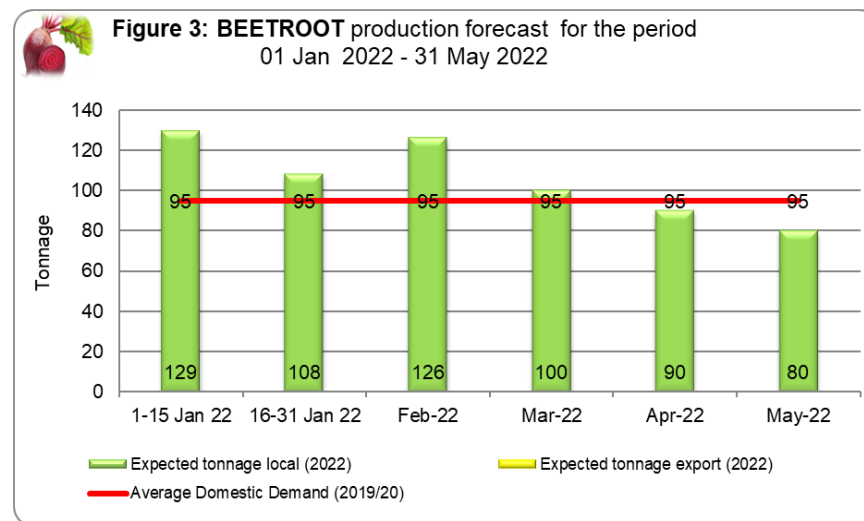
Table 3B indicate the total availability of Mushroom as a monitored crop.

Table 3B: Analysis of the total expected tonnage for domestic market versus domestic demand.								
Numbers in this table represents tonnage expected to harvested for local and export market								
Last updated: 18 Nov 2021								
Crops	Expected Surplus or Shortage	1-15 Dec 21	16-31 Dec 21	Jan-21	Feb-22	Mar-22	Apr-21	Total
Mushroom	Expected Tonnage for domestic market	10	10	20	20	20	20	90
	Average Domestic Demand (2018/19)	77	77	77	77	77	77	385
	Surplus / shortage (Tonnage)	-67	-67	-57	-57	-57	-57	-295

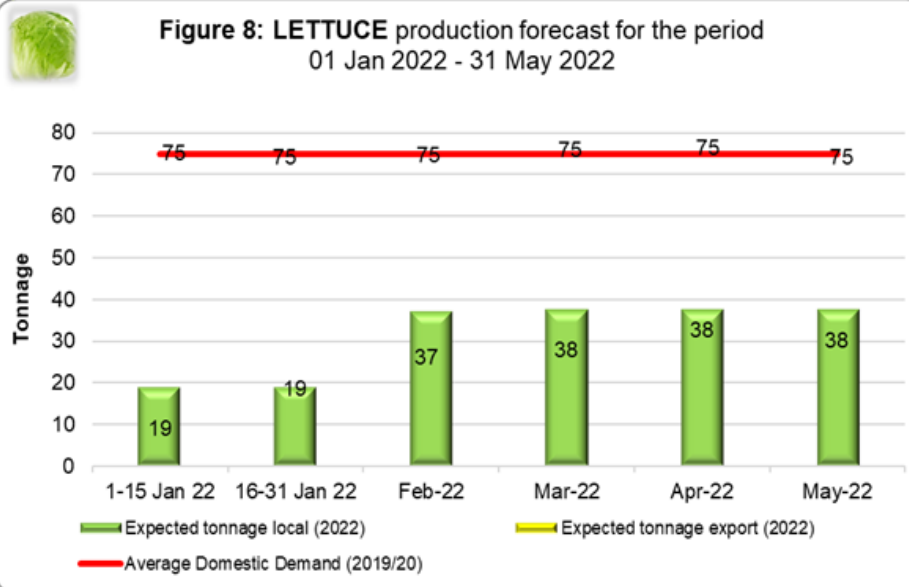
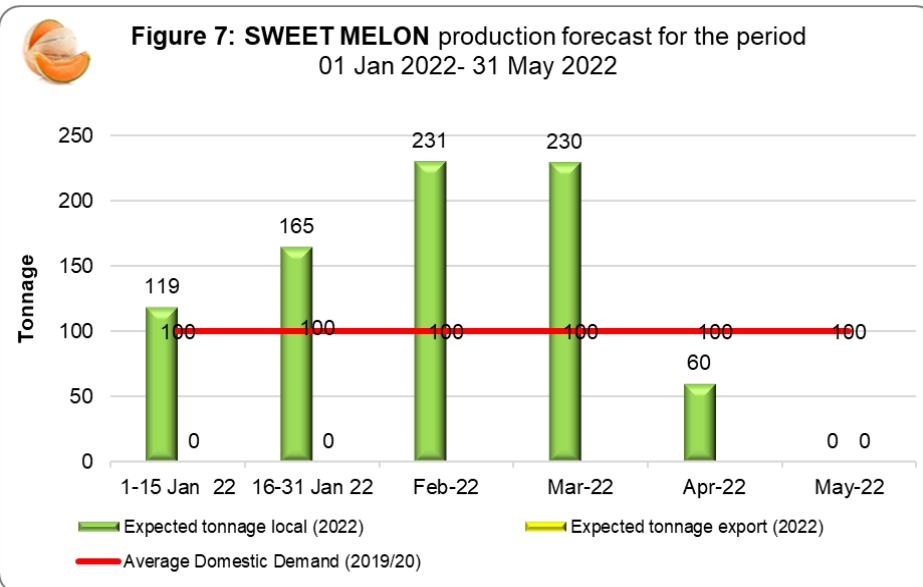
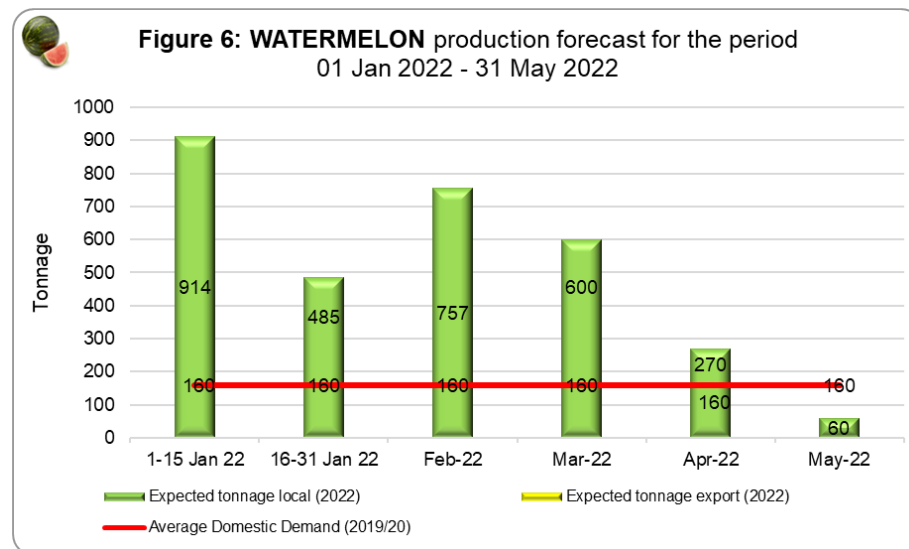
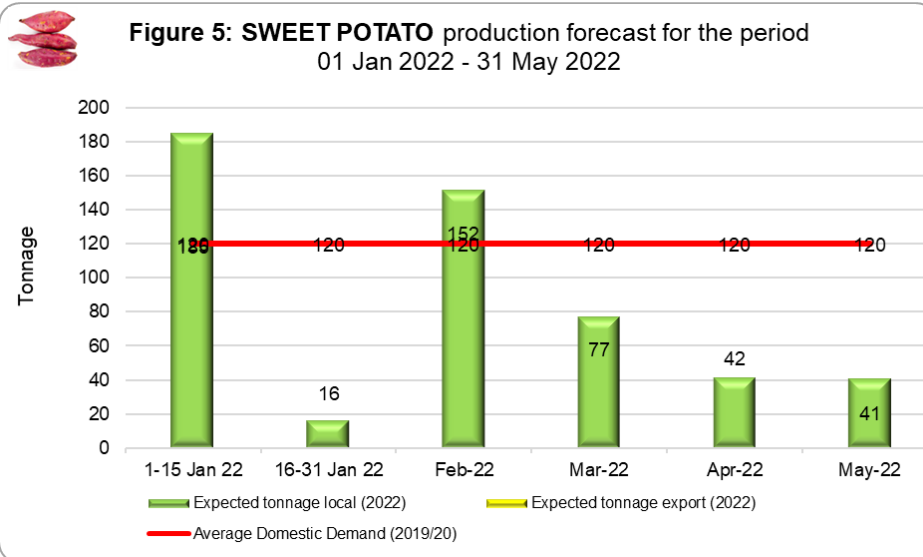
Source: NAB 2021

## 5 GRAPHICAL ANALYSIS

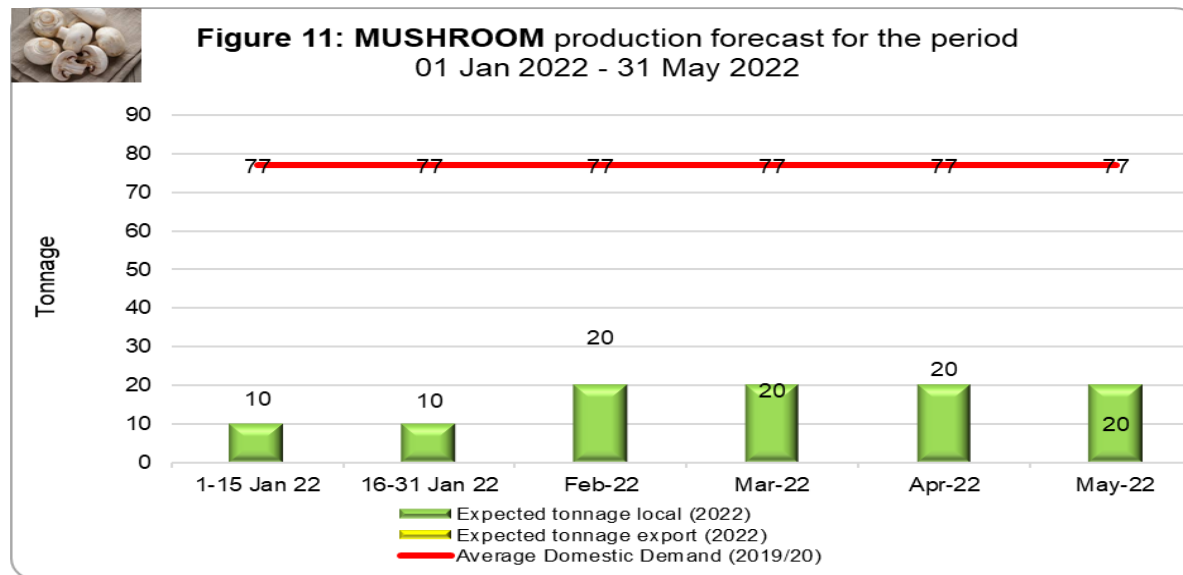
Figure 3 and 4 shows that there will be sufficient local supply for Beetroots and English Cucumbers for the forecasted period as illustrated in the figures below.



Graphical analysis continues.....



*Graphical analysis continues....*



Source: NAB 2021

## 6. CONCLUSION and RECOMENDATIONS

The report clearly indicates that there will be sufficient local supply of Beetroots, English Cucumbers, Watermelons and Sweetmelons (refer to table 3 and figure 3,4,6 and 7). Therefore, import restriction will be implemented for English Cucumber, Watermelon, Sweet melon and Beetroots for the special import permit period 1-31 January 2022. Further import restriction will be implemented during the reporting period; however, this will be based on updated production data from the producers. Therefore, producers are encouraged to immediately notify NAB in case of deviations from their cropping program or in the event of crop failure due to factors beyond their control. Traders are encouraged to contact the local producers to arrange for their local purchases. Furthermore, Mushroom is currently a monitored crop and therefore for this crop to be added as a special controlled crop in future producers are encouraged to take the opportunity to increase local production and meet the domestic demand every month.

[illegible]