



Butternuts



Cabbage



Gem Squash



Onions



Potatoes



Pumpkins



Garlic



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## HORTICULTURE: VEGETABLE PRODUCTION FORECAST

### REPORT NO. 1

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**FORECASTED PERIOD:**

**01 JANUARY TO 31 MAY 2022**

**Agronomy and Horticulture Market Development Division**

**Horticulture Market Development Subdivision**

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# 1. INTRODUCTION

**Report no. 1**, covers the local production forecast for **the six (6) special controlled crops** i.e. **Butternuts, Cabbage, Gem Squash, Onions, Potatoes and Pumpkins**. This report also cover **garlic** as a **monitored crop**. The production of the special controlled products is monitored by NAB and involves close border period whenever sufficient local production is expected, and it is implemented in line with the market share promotion scheme. The production forecast covers a period of five (5) months and it is updated on a monthly basis, while field verifications are carried out on a quarterly basis. The special controlled products in this report are divided into the following categories: Inclusion and Exclusions: Inclusion involves all the specific sub- product types of special controlled products and can only be imported through the Special Import Permit during open border periods (see table 1). Exclusion involves sub-product type of special controlled products that does not form part of the special controlled product scheme and can be imported using the mixed fruits and vegetable import permit. The objective of the special controlled product scheme is to stimulate local production of horticultural products in Namibia, as a growth at home strategy implemented by the NAB. Thus, this report discusses the production forecast per production area (table 2), availability of the expected crops per producer (table 3), tabulation (table 4) and graphical (figure 1 to 6) analysis for the expected production versus local demand for this reporting period.

**Table 1:** Show the inclusions and exclusions of the special controlled products.

Special Controlled Product	INCLUSIONS (Not allowed to be imported, only during open border period). Only imported through the special import permit during open border period.	EXCLUSIONS (Allowed to be imported with no restriction). Imported through mixed fruits and vegetable import permit.
1. Butternuts	All types, size groups and container sizes of fresh, chilled, Whole or Cut Butternut, except the "Exclusions".	Zebra Butternut and Baby Butternut. All frozen, dried, cooked and preserved Butternuts (Whole or Cut).
2. Cabbage	All types, size groups and container sizes of fresh, chilled, Whole or Cut Green Cabbage, except the "Exclusions".	Chinese cabbage, Baby Green Cabbage, Baby Red Cabbage, Mixed Baby Red & Green Cabbage, Large red cabbage, Savoy Cabbage. All frozen, dried, cooked and preserved Cabbage (Whole or Cut).
3. Gem Squash	All types, size groups and container size of fresh, chilled, Whole or Cut Gem Squash, except the "Exclusions".	All frozen, dried, cooked and preserved Gem Squash (Whole or Cut).
4. Onions	All types, size groups and container sizes of fresh, chilled, Whole or Cut Onion, except the "Exclusions".	White Salad Onions and Red Onions. All frozen, dried, cooked and preserved Onions (Whole or Cut).
5. Potatoes	All types, size groups and container sizes of fresh, chilled, Whole or Cut Potato Irish, except the "Exclusions".	Washed white "loose sell" and / or "pre-pack" types of potato; Washed baby potato. Red fleshed potatoes. All frozen, dried, cooked and preserved Irish Potato (Whole or Cut).
6. Pumpkins	All types, size groups and container size of fresh, chilled, whole or cut pumpkins, except the "Exclusions".	All frozen, dried, cooked and preserved pumpkin. All decorative types of pumpkin.

Source: NAB, 2021

**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 0°C 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 FORECAST PER AREA

Tables 2 below shows the total expected tonnage, yield and hectares of crops to be harvested during this reporting period.

Table 2: FIVE MONTHS EXPECTED PRODUCTION PER CROP, PER AREA FOR THE PERIOD: 01 January to 31 May 2022														
Numbers in the table below represents tonnage													Last updated: 19 December 2021	
PRODUCTION AREAS	Special controlled and monitored crops	Jan-22			Feb-22		Mar-22		Apr-22		May-22		Total (for the 5 months period)	
		01-15 Jan 22 Local	16-31 Jan 22 Local	01-31 Jan 22 Export	Local	Export	Local	Export	Local	Export	Local	Export	Yield	Ha to be harvested
ZAMBEZI REGION	Butternuts	0.14	4.08	0.00	7.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.27	0.81
	Cabbage	0.77	16.15	0.00	18.32	0.00	10.20	0.00	0.00	0.00	0.00	0.00	45.43	1.14
	Gem squash	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Onions	0.08	0.00	0.00	0.00	0.00	1.70	0.00	0.00	0.00	0.00	0.00	1.78	0.10
	Pumpkins	0.00	11.90	0.00	14.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.78	0.45
KAVANGO REGIONS	Butternuts	7.44	8.20	0.00	0.00	0.00	31.88	0.00	0.00	0.00	0.00	0.00	47.52	3.73
	Cabbage	1.28	1.28	0.00	0.00	0.00	28.90	0.00	0.00	0.00	0.00	0.00	31.45	0.90
	Gem squash	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Onions	10.24	9.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19.68	0.68
	Potatoes	212.50	212.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	425.00	10.00
NORTH CENTRAL	Pumpkins	85.00	28.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	113.05	3.33
	Butternuts	23.72	47.60	0.00	55.25	0.00	17.00	0.00	0.00	0.00	0.00	0.00	143.57	8.46
	Cabbage	45.48	45.48	0.00	14.88	0.00	2.55	0.00	0.00	0.00	0.00	0.00	108.38	3.48
	Gem squash	0.00	0.00	0.00	14.45	0.00	10.20	0.00	0.00	0.00	0.00	0.00	24.65	0.25
	Onions	4.68	4.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.93	0.55
KARSTLAND	Pumpkins	0.00	0.00	0.00	12.75	0.00	12.75	0.00	0.00	0.00	0.00	0.00	25.50	1.00
	Butternuts	115.52	127.93	0.00	39.95	0.00	48.45	0.00	31.45	0.00	31.45	0.00	394.74	18.93
	Cabbage	93.93	121.98	0.00	171.70	0.00	179.35	0.00	153.85	0.00	179.35	0.00	900.15	17.70
	Gem squash	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Onions	312.38	312.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	624.75	15.25
CENTRAL	Potatoes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1198.50	0.00	476.00	0.00	1674.50	45.00
	Pumpkins	18.70	44.20	0.00	56.95	0.00	56.95	0.00	22.95	0.00	8.50	0.00	208.25	6.00
	Butternuts	11.48	42.08	0.00	42.50	0.00	51.00	0.00	0.00	0.00	0.00	0.00	147.05	5.55
	Cabbage	85.00	118.15	0.00	161.50	0.00	144.50	0.00	59.50	0.00	59.50	0.00	628.15	12.50
	Gem squash	6.80	5.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.75	0.50
SOUTH AND ORANGE RIVER	Onions	3.83	3.83	0.00	3.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.05	0.55
	Potatoes	425.00	425.00	0.00	425.00	0.00	425.00	0.00	0.00	0.00	0.00	0.00	1700.00	50.00
	Pumpkins	51.00	51.00	0.00	35.70	0.00	17.00	0.00	0.00	0.00	0.00	0.00	154.70	4.00
	Butternuts	24.65	26.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.00	2.00
	Cabbage	10.20	10.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.40	0.50
Total expected production tonnage per crop per month	Gem squash	14.88	13.18	0.00	5.10	0.00	5.10	0.00	5.10	0.00	5.10	0.00	48.45	2.95
	Onions	98.60	75.65	0.00	109.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	283.90	8.05
	Pumpkins	36.55	39.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	76.50	2.00
	Butternuts	183	256	0	145	0	148	0	31	0	31	0	795	39
	Cabbage	237	313	0	366	0	366	0	213	0	239	0	1734	36
Garlic	Gem Squash	22	19	0	20	0	15	0	5	0	5	0	86	4
	Onions	331	330	0	3	0	2	0	0	0	0	0	666	17
	Potatoes	638	638	0	425	0	425	0	1199	0	476	0	3800	105
	Pumpkins	191	175	0	120	0	87	0	23	0	9	0	605	17
	Garlic	24	0	0	6	0	5	0	5	0	0	0	40	5.75

Source: NAB, 2021

### 3. AVAILABILITY OF THE EXPECTED CROPS PER PRODUCERS

**Table 3A** shows availability of the expected **special controlled crops** per area, per producer. This table further shows that during the forecasted period, butternuts and cabbage are expected to be available in all production areas. Traders are thus advised to contact producers listed in a table below to place their orders.










































Table 3A: THE FIVE MONTHS EXPECTED AVAILABILITY CALENDAR FOR THE SPECIAL CONTROLLED CROPS (Butternuts, Cabbage, Gem squash, Onions, Potatoes and Pumpkins)																																			
KEY : BUTTERNUT =  CABBAGE =  GEM SQUASH =  ONION =  POTATO =  PUMPKIN = 																																			
PERIOD: 01 January to 31 May 2022 <span style="float: right;">Last updated: 19 December 2021</span>																																			
Contact Person	Target Market			01-15 Jan 2022						16-31 Jan 2022						Feb-22					Mar-22					Apr-22					May-22				
	Local Informal	Local Formal	Export	Butternuts	Cabbage	Gem Squash	Onions	Potatoes	Pumpkins	Butternuts	Cabbage	Gem Squash	Onions	Potatoes	Pumpkins	Butternuts	Cabbage	Gem Squash	Onions	Potatoes	Pumpkins	Butternuts	Cabbage	Gem Squash	Onions	Potatoes	Pumpkins	Butternuts	Cabbage	Gem Squash	Onions	Potatoes	Pumpkins		
ZAMBEZI																																			
1	Bernard Sitali	√	√																																
2	Clemens Makumbi	√	√																																
3	Clement Mulyokela	√	√																																
4	George Nalisa	√	√																																
5	Hidden Kabula	√	√																																
6	Jonathan Kamwi	√	√																																
7	Molly M. Mulife	√	√																																
8	Morgen Saisa	√	√																																
KAVANGO																																			
Contact Person	Local Informal	Local Formal	Export	01-15 Jan 2022						16-31 Jan 2022						Feb-22					Mar-22					Apr-22					May-22				
1	Augustinus Poroto	√	√																																
2	Eleoteria Kapepo	√	√																																
3	Hakusembe Leevi Hamatwi	√	√																																
4	Henrick Locke	√	√																																
5	Laurentia Nkandanga	√	√																																
6	Magdalena Simuketa	√	√																																
7	Mashare Irrigation Project	√	√																																
8	Shandikongoro GSIP (SSF)	√	√																																
9	Sikondo GSIP (SSF)	√	√																																

Table 3A continues...

**NORTH CENTRAL**






























































Contact Person		Local informal	local Formal	Export	01-15 Jan 2022					16-31 Jan 2022					Feb-22					Mar-22					Apr-22					May-22				
1	Abisai Amashili	√	√																															
2	Abner Negonga	√	√																															
3	Albertus Viljoen	√	√																															
4	Andreas Shihepo	√	√																															
5	Elifas Keendjele	√	√																															
6	Emilie Naunyango	√	√																															
7	Erastus Mumbala	√	√																															
8	Etunda GSIP (Small & medium)	√	√																															
9	Horst K lipumbu	√	√																															
10	Ismael Kapuka	√	√																															
11	J. Steyn	√	√																															
12	Johannes Naindjala	√	√																															
13	Junias Mwafekelange	√	√																															
14	Karoline Paavo	√	√																															
15	Michael Shiningamwe	√	√																															
16	Moses Shambwila	√	√																															
17	Paulus Amutenya	√	√																															
18	Paulus Kapia	√	√																															
19	Paulus Kapuka	√	√																															
20	Paulus Titus	√	√																															
21	Petrus Matheus	√	√																															
22	Shapaka Katangala	√	√																															
23	Shetuuka Shetuuka	√	√																															
24	Sylvanus Naunyango	√	√																															
25	Tangeni T. Negonga	√	√																															
26	Tarcisius Shingundu	√	√																															
27	Vaino Shikongo	√	√																															
28	Veiko Imalwa	√	√																															

Table 3A continues...

























































































































































































































































































































































































































































































































































































































KARSTLAND																																		
Contact Person		Local Informal	Local Formal	Export	01-15 Jan 2022					16-31 Jan 2022					Feb-22					Mar-22					Apr-22					May-22				
1	C. D Shifotoka	√	√																															
2	Christiaan Barry	√	√																															
3	Dawid Bisschoff	√	√																															
4	De Wet Steven Robinson	√	√																															
5	Elizabeth & Erick van Druten	√	√																															
6	Elizabeth Nekundi	√	√																															
7	Etuna Nashima	√	√																															
8	Francois Robbertse	√	√	√																														
9	Gerhard Sachse	√	√																															
10	Gerrit Cilliers	√	√																															
11	Hannes Swanepoel	√	√																															
12	Jan Cronje	√	√	√																														
13	Johan E. van der Merwe	√	√																															
14	John Shaetonodi	√	√																															
15	Juliana Gericke	√	√																															
16	Liza and Jan van der Merwe	√	√																															
17	Louis Smit	√	√	√																														
18	Ludie Kolver	√	√																															
19	Magano Kapia	√	√																															
20	Mark von Maltzahl	√	√																															
21	Munyaradzi Murwira	√	√																															
22	N. Neliwa and L. Ndjadila	√	√																															
23	Ndinelago Tshiguuo	√	√																															
24	Neels van der Merwe	√	√																															
25	Olavi Hamutumwa	√	√																															
26	Pendafule Hellao	√	√																															
27	Peter Kawana	√	√																															
28	P.T. Erasmus	√	√																															
29	Phelep Pendukeni	√	√																															
30	Willem Shali	√	√	√																														

















Table 3A continues...

CENTRAL																																		
NAME OF PRODUCER		Local Informal	Local Formal	Export	01-15 Jan 2022					16-31 Jan 2022					Feb-22					Mar-22					Apr-22					May-22				
1	Bertus Pretorius	√	√																															
2	Hagen Horstmark	√	√																															
3	Johannes Meyer	√	√																															
4	Lothar Kollimitz	√	√																															
5	Ludie Kolver	√	√	√																														
6	Magnus Kurz	√	√																															
7	Martha Alweendo	√	√																															
8	MKR Clandara	√	√																															
9	Mushena Roy	√	√																															
10	Sem Tangeni Nepando	√	√																															
11	Stefan Gaugler	√	√																															

#### SOUTH AND ORANGE RIVER

NAME OF PRODUCER		Local informal	Local Formal	Export	01-15 Jan 2022					16-31 Jan 2022					Feb-22					Mar-22					Apr-22					May-22				
1	Burger J. Harmse	√	√																															
2	Charl Van Rensburg	√	√																															
3	Hendrik Berg	√	√																															
4	Hentie van Dyk	√	√																															
5	Herman van Dyk	√	√																															
6	Johan Roux	√	√																															
7	Jean Roux	√	√																															
8	Jimmy O kennedy	√	√																															
9	Loius Louw	√	√																															
10	Ulrich Schneider	√	√																															
11	Rudi Kotze	√	√																															
12	Zirk Jansen	√	√																															

**Table 3B** shows availability of the expected **Garlic** as *monitored controlled crop* per area, per producer. This table further shows that garlic is only expected to be available in central area. Traders are thus advised to contact producers listed in a table below to place their orders.

Table 3B: THE FIVE MONTHS EXPECTED AVAILABILITY OF THE GARLIC AS MONITORED CROP						
KEY:     GARLIC = 						
PERIOD: 01 January to 31 May 2022				Last updated: 19 December 2021		
NAME OF PRODUCER	01-15 Jan 22	16-31 Jan 22	Feb-22	Mar-22	Apr-22	May-22
Central Area						
1 Chrisman Stander						
2 Corne Kuhn						
3 Henk Peters						
4 Jaco Thomas						
5 Wessel Johaness						

Source: NAB, 2021



## 4. EXPECTED PRODUCTION VS DEMAND ANALYSIS

### 4.1 TABULATION ANALYSIS

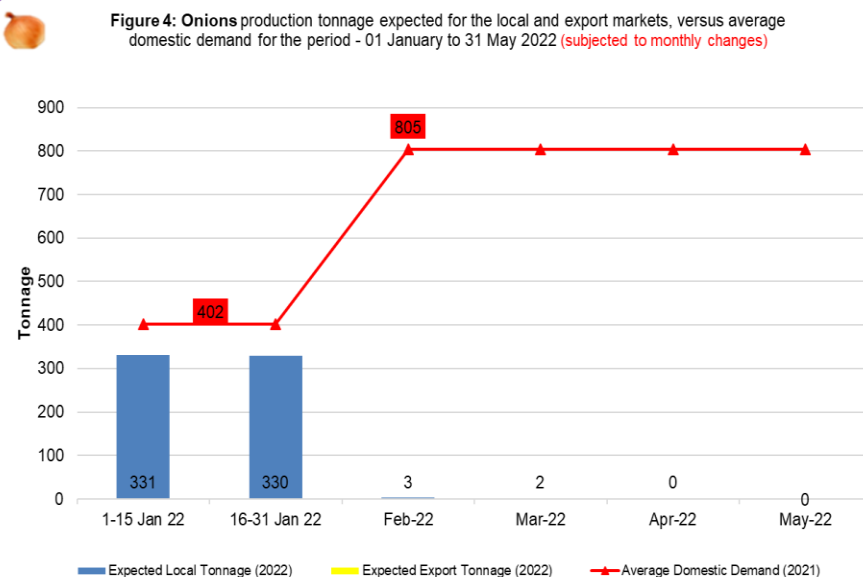
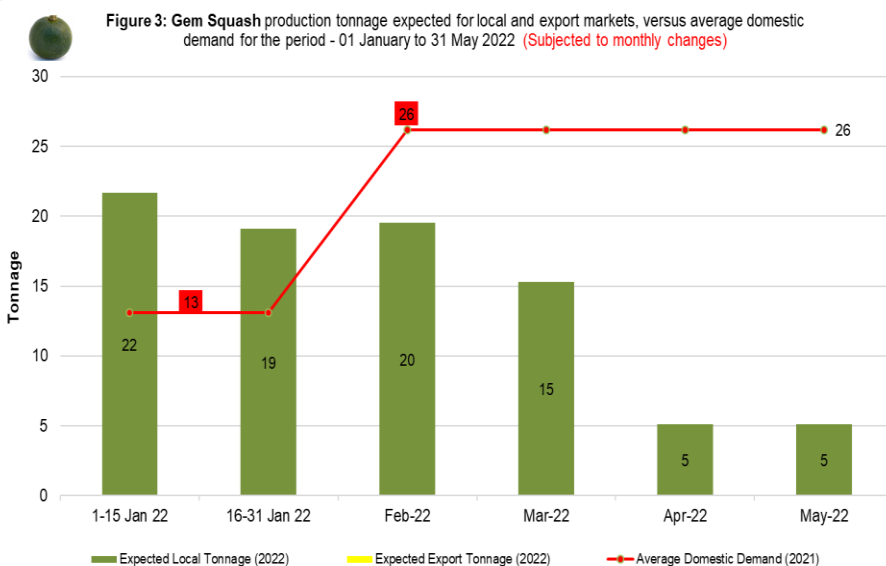
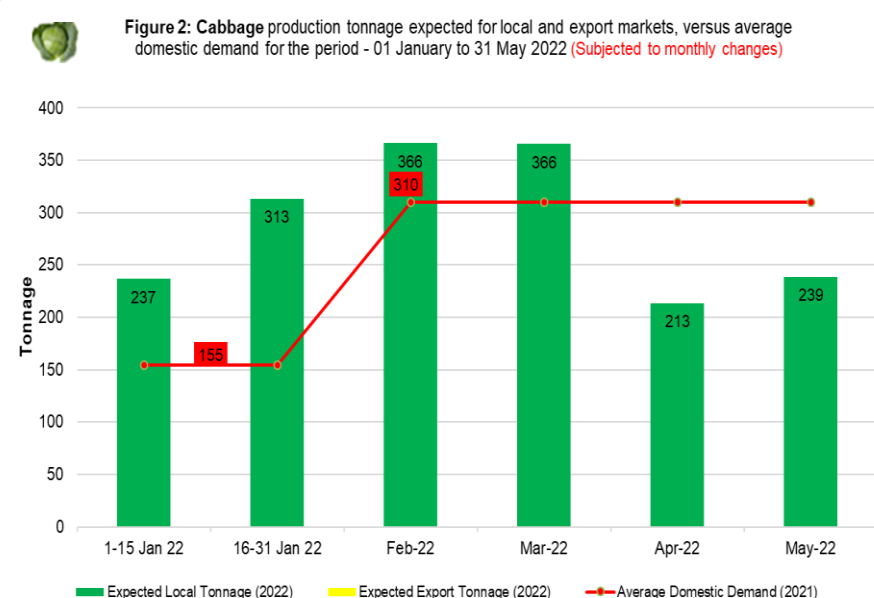
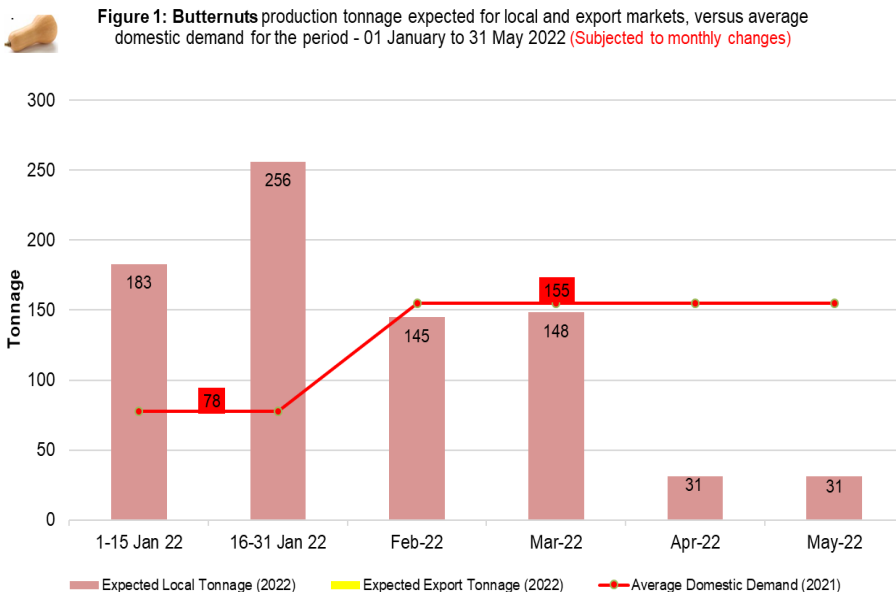
**Table 4** below shows that, the total tonnage expected for butternuts, cabbage, gem squash and pumpkins will be sufficient to satisfy the domestic market in January 2022. **Table 4** further shows that; onions and potatoes are expected to be insufficient for the domestic demand in the whole reporting period.

Table 4: ANALYSIS OF THE EXPECTED TONNAGE FOR DOMESTIC MARKET VERSUS AVERAGE DOMESTIC DEMAND								
Numbers in this table represents tonnage					Last updated: 19 December 2021			
Special Controlled Crops	Expected Surplus or Shortage	01-15 Jan 2022	16-31 Jan 2022	Feb-22	Mar-22	Apr-22	May-22	Total
Butternuts	Expected for domestic market	183	256	145	148	31	31	612
	Average domestic demand	78	78	155	155	155	155	698
	Surplus / shortage	105	179	-10	-7	-124	-124	-85
Cabbage	Expected for domestic market	237	313	366	366	213	239	1497
	Average domestic demand	155	155	310	310	310	310	1393
	Surplus / shortage	82	158	57	56	-96	-71	104
Gem Squash	Expected for domestic market	22	19	20	15	5	5	64
	Average domestic demand	13	13	26	26	26	26	118
	Surplus / shortage	9	6	-7	-11	-21	-21	-54
Onions	Expected for domestic market	331	330	3	2	0	0	335
	Average domestic demand	402	402	805	805	805	805	3622
	Surplus / shortage	-71	-73	-801	-803	-805	-805	-3287
Potatoes	Expected for domestic market	638	638	425	425	1199	476	3162
	Average domestic demand	1,632	1632	3265	3265	3265	3265	14692
	Surplus / shortage	-995	-995	-2840	-2840	-2066	-2789	-11530
Pumpkins	Expected for domestic market	191	175	120	87	23	9	605
	Average domestic demand	43	43	85	85	85	85	425
	Surplus / shortage	149	133	35	2	-62	-77	179

Source: NAB, 2021

## 4.2 GRAPHICAL ANALYSIS

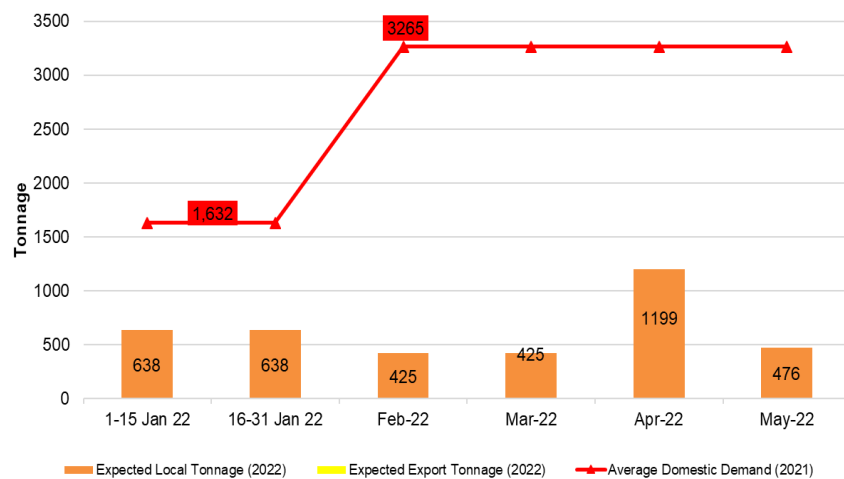
Graphical analysis shows the domestic production tonnage expected for the local and export markets as well as the average domestic demand. **Figure 1, 2, 3 and 6** below shows that the projected production tonnage for butternuts, cabbage, gem squash and pumpkins reserved for local market are expected to be sufficient in January 2022. Whereas, **figure 4 and 5** shows that onions and potatoes are expected to be insufficient during this whole reporting period.



Graphical analysis figures continue...



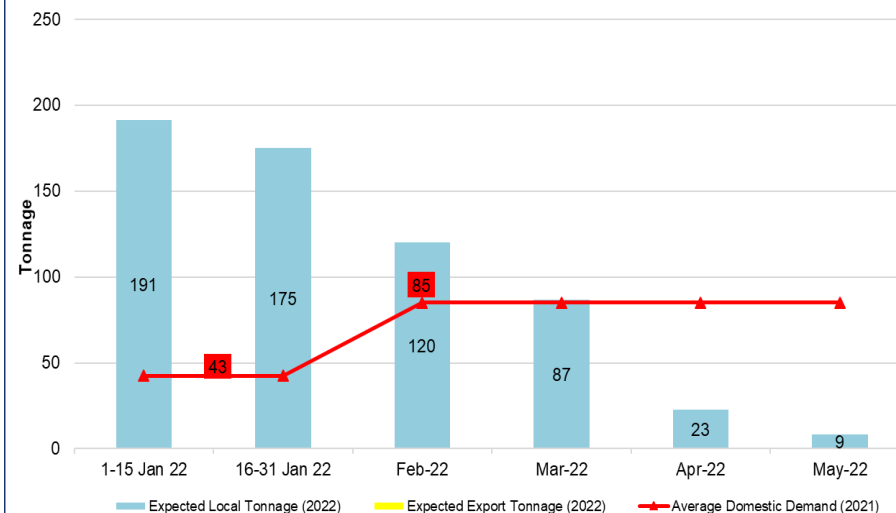
**Figure 5: Potatoes** production tonnage expected for local and export markets, versus average domestic demand for the period: 01 January to 31 May 2022 (Subjected to monthly changes)



Source: NAB, 2021



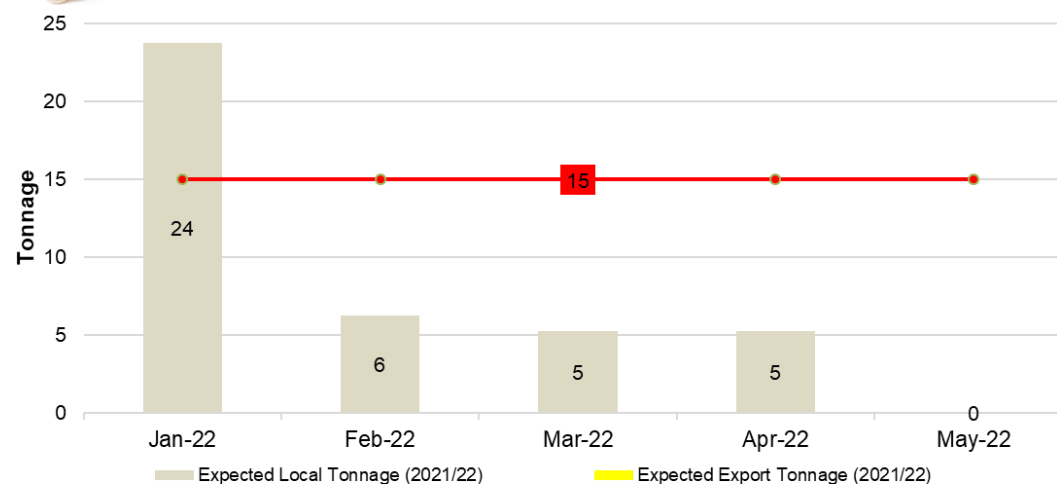
**Figure 6: Pumpkins** production tonnage expected for local and export markets, versus average domestic demand for the period - 01 January to 31 May 2022 (Subjected to monthly changes)



**Figure A** below shows that the projected production tonnage for garlic (as a monitored crop) is expected to be sufficient in January 2022.



**Figure A: Garlic** production forecasted for the period - 01 January to 31 May 2022 (Subjected to monthly changes)



Source: NAB, 2021

## 5. CONCLUSIONS AND RECOMMENDATIONS

The report concludes that, there will be **sufficient local supply** of **butternuts, cabbage, gem squash** and **pumpkins** in January 2022. Therefore, it is recommended that the **borders be closed** to restrict the importation of these four (4) crops as from **01 to 31 January 2021**.

It is further reported that there will be **insufficient local supply** of **onions** and **potatoes in January 2022**. Thus, it is recommended that the **borders be open** to allow importation of washed potatoes without restrictions; however, 47% MSP rules shall apply.

Additionally, the report concluded that local production of **garlic** is expected to be sufficient in January 2022. It is crucial to note that, open / close border does not apply to **garlic** as it is still a monitored crop. **Traders** are however encouraged to source garlic locally and continue to support local producers as usual.

Moreover, registered traders are encouraged to buy more of local produced vegetables and ensure compliance to the minimum Market Share Promotion requirements. Traders are therefore advised to contact registered Producers who are expected to harvest these products as per **the availability calendar (table 3)** in this report, to make necessary arrangements for their local purchases.

Conclusively, all vegetable Producers are advised to provide / send their production data to the Horticulture Market Development sub-division within NAB every month in order to ensure that all local vegetable production data are recorded. These data are very crucial as it helps NAB to make informed and sound decisions with regards to the opening and closing of borders to either allow or restrict importation of vegetables whenever there is a local supply shortage or surplus respectively. Producers are further advised to immediately notify NAB in case of deviations from their planting program or in the event of crop failure due to factors beyond their control.

[illegible]



Colour Pepper



Tomato Round



Tomato Jam



Carrot



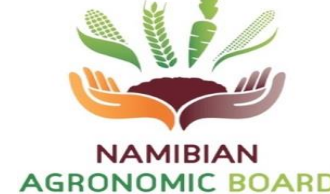
Green Pepper



Spinach



Sweetcorn



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## HORTICULTURE: VEGETABLES PRODUCTION FORECAST

### REPORT NO.2

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**FORECASTED PERIOD:**

**01 JANUARY 2022 TO 31 MAY 2022**

**Agronomy and Horticulture Market Development Division**

**Horticulture Market Development Subdivision**

**Enquiries:** Mr. Patrick Lubanda

**Cell:** +264 81 289 5454

**Email:** [Patrick.Lubanda@nab.com.na](mailto:Patrick.Lubanda@nab.com.na)

## 1. INTRODUCTION

**Report no. 2**, covers the local production forecast for the six special controlled products i.e. **Tomato (Round & Jam), Green Pepper, Colour Pepper, Carrot, Spinach and Sweetcorn**. 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. Monitored crops are those horticultural crops whose production is closely monitored, and have the greatest potential to be converted into special controlled products in the future. The production forecast covers a period of five (5) months and it is updated on a monthly basis, while field verifications are carried out on a quarterly basis. The special controlled products in this report are divided into the following categories: Inclusion and Exclusions: Inclusion involves all the specific sub-product types of special controlled products and can only be imported through the Special Import Permit during open border periods (see table 1). Exclusion involves sub-product type of special controlled products that does not form part of the special controlled product scheme and can be imported using the mixed fruits and vegetable import permit. The objective the special controlled product scheme is stimulate local production of horticultural products in Namibia, as a growth at home strategy implemented by the NAB. Therefore, this report discusses the controlled crops production forecasted per area, expected availability per producer, tabulation and graphical analysis on expected production versus local demand and subsequently the hectares planted and average yield expected per hectare during the reporting season.

**Table 1:** Show the inclusions and exclusions of the special controlled products.

Product	Inclusions	Exclusions
1.Tomato	Tomatoes Round (Round shaped, red/partially red colour). Tomatoes Jam (Oval shaped, red / partially red colour), except the "Exclusions".	All Small size type of tomatoes, i.e. Cherry, Cocktail, Bacio, Romanita, Rigoletto, and Medley mix, etc. All colours.
2.Green Pepper	All size groups and container size of Green Pepper, except the "Exclusions".	Red Pepper, Yellow Pepper, and Orange Pepper, Peppers mix, etc.
3. Colour Pepper	All Types, grades, size groups and container sizes of Fresh, chilled, whole or cut Colour Bell Pepper (Red and Yellow) Single line or Robot Peppers except the exclusion	All Orange, Brown, Black, Purple and White Bell fresh Peppers, Chilled, whole or Cut. All frozen, dried, cooked and preserved colour bell peppers
4. Carrot	All size groups and container sizes of Orange fleshed Carrots as well as catering Orange Carrots full size or broken, except the "Exclusions".	Red, Purple, White, Black, and Yellow Fleshed Carrots.
5. Sweet Corn	All types, size groups and container size of fresh/ chilled and whole or cut Red Fleshed and Yellow Fleshed except the "Exclusions"	White and Mixed Colour Sweet Corn. All Frozen, dried, cooked and preserved. Sweet Corn (Whole or Cut) of any colour.

**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 FORECAST PER AREA

**Table 2:** Shows that, Tomato Round, Carrot, and Green Pepper respectively are the top commodities with high-expected tonnages during the forecasted period. Detailed information for expected production, per crop per production zone are shown in Table 2 below.

Table 2: EXPECTED PRODUCTION OF SPECIAL CONTROLLED PRODUCTS PER CROP PER AREA															
		Numbers in the table below represents tonnage													
PRODUCTION AREA	CROP	01-15 Jan 22		16-31 Jan 22		Feb-22		Mar-22		Apr-22		May-22		Totals	
		Local	Export	Local	Export	Local	Export	Local	Export	Local	Export	Local	Export	Expected tonnage	Hectares planted
ZAMBEZI	Tomato Round	6.0	0.0	14.4	0.0	48.2	0.0	9.9	0.0	0.5	0.0	0.0	0.0	79.0	2.5
	Tomato Jam	0.4	0.0	0.4	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0
	Carrot	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Green Pepper	1.1	0.0	1.3	0.0	3.8	0.0	3.2	0.0	2.7	0.0	1.5	0.0	13.6	1.0
	Coloured Pepper	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Spinach	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Sweetcorn	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
KAVANGO	Tomato Round	10.3	0.0	16.4	0.0	27.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.2	2.0
	Tomato Jam	10.2	0.0	13.2	0.0	9.0	0.0	2.9	0.0	0.0	0.0	0.0	0.0	35.3	1.7
	Carrot	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.1
	Green Pepper	2.5	0.0	2.5	0.0	2.8	0.0	2.3	0.0	0.0	0.0	0.0	0.0	10.2	1.1
	Coloured Pepper	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Spinach	0.8	0.0	0.8	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.7
	Sweet Corn	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NORTH CENTRAL	Tomato Round	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Tomato Jam	40.9	0.0	54.3	0.0	50.1	0.0	51.1	0.0	11.3	0.0	0.0	0.0	207.7	7.8
	Carrot	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.3	0.0	0.0	0.0	6.3	0.3
	Green Pepper	3.6	0.0	3.6	0.0	7.6	0.0	6.9	0.0	6.2	0.0	3.3	0.0	31.2	1.7
	Coloured Pepper	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Spinach	5.0	0.0	5.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	3.0
	Sweetcorn	0.1	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.5	0.0

Table 2 continued

KARST	Tomato Round	62.0	0.0	59.0	0.0	137.0	0.0	104.5	0.0	103.5	0.0	103.5	0.0	569.5	16.1
	Tomato Jam	101.0	0.0	148.5	0.0	255.7	0.0	194.7	0.0	124.7	0.0	102.0	0.0	926.6	22.4
	Carrot	265.0	0.0	282.0	0.0	386.5	0.0	350.0	0.0	350.0	0.0	350.0	0.0	1983.5	47.6
	Green Pepper	24.7	0.0	25.9	0.0	57.6	0.0	55.4	0.0	43.9	0.0	41.9	0.0	249.5	15.4
	Coloured Pepper	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Spinach	3.4	0.0	3.6	0.0	7.2	0.0	7.2	0.0	7.2	0.0	7.2	0.0	35.7	1.3
	Sweetcorn	16.0	0.0	18.0	0.0	7.0	0.0	7.0	0.0	7.0	0.0	7.0	0.0	62.0	10.3
CENTRAL	Tomato Round	125.6	0.0	118.9	0.0	252.8	0.0	238.6	0.0	11.1	0.0	6.7	0.0	753.6	9.1
	Tomato Jam	7.8	0.0	7.8	0.0	15.5	0.0	15.5	0.0	0.0	0.0	0.0	0.0	46.5	0.6
	Carrot	15.0	0.0	15.0	0.0	30.0	0.0	30.0	0.0	30.0	0.0	30.0	0.0	150.0	5.0
	Green Pepper	94.4	0.0	95.8	0.0	185.6	0.0	185.6	0.0	134.6	0.0	88.6	0.0	784.5	7.1
	Coloured Pepper	85.0	0.0	85.0	0.0	170.0	0.0	170.0	0.0	170.0	0.0	170.0	0.0	850.0	4.0
	Spinach	5.5	0.0	5.5	0.0	6.0	0.0	6.0	0.0	6.0	0.0	6.0	0.0	35.0	2.0
	Sweetcorn	3.3	0.0	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.5	1.0
SOUTH AND ORANGE RIVER	Tomato Round	156.8	0.0	191.8	0.0	383.7	0.0	283.7	0.0	252.0	0.0	140.0	0.0	1408.0	18.6
	Tomato Jam	2.7	0.0	2.7	0.0	5.3	0.0	5.3	0.0	0.0	0.0	0.0	0.0	16.0	0.2
	Carrot	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	20.0	0.5
	Green Pepper	11.9	0.0	16.1	0.0	55.6	0.0	55.6	0.0	50.6	0.0	43.6	0.0	233.3	3.1
	Coloured Pepper	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Spinach	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Sweetcorn	3.8	0.0	3.8	0.0	7.5	0.0	7.5	0.0	7.5	0.0	7.5	0.0	37.5	2.5
Total expected per crop per month	Tomato Round	360.6	0.0	400.5	0.0	849.2	0.0	636.7	0.0	367.1	0.0	250.2	0.0	2864.3	48.3
	Tomato Jam	163.0	0.0	226.8	0.0	336.0	0.0	269.6	0.0	136.0	0.0	102.0	0.0	1233.3	32.7
	Carrot	281.0	0.0	297.0	0.0	416.5	0.0	380.0	0.0	406.3	0.0	380.0	0.0	2160.8	53.4
	Green Pepper	138.1	0.0	145.2	0.0	313.0	0.0	309.1	0.0	238.0	0.0	178.8	0.0	1322.2	29.4
	Coloured Pepper	85.0	0.0	85.0	0.0	170.0	0.0	170.0	0.0	170.0	0.0	170.0	0.0	850.0	4.0
	Spinach	14.7	0.0	14.9	0.0	24.8	0.0	13.2	0.0	13.2	0.0	13.2	0.0	93.9	7.0
	Sweetcorn	23.1	0.0	25.1	0.0	14.6	0.0	14.6	0.0	14.6	0.0	14.6	0.0	106.5	13.76



### 3. EXPECTED AVAILABILITY

**Table 3**, below indicate active producers that expect to harvest the special controlled product as given below. Refer to table 3 below for more details.


















































































TABLE 3A : EXPECTED AVAILABILITY OF SPECIAL CONTROLLED PRODUCTS																																							
KEYS: Tomato Round =  Tomato Jam =  Carrot =  Green Pepper =  Coloured Pepper =  Spinach =  Sweetcorn = 																																							
ZAMBEZI AREA																																							
				01 to 15 Jan 2022						16 to 31 Jan 2022						Feb-22						Mar-22						Apr-22						May-22					
				Tomato Round	Tomato Jam	Carrot	Green pepper	Coloured pepper	Spinach	Sweet Corn	Tomato Round	Tomato Jam	Carrot	Green Pepper	Coloured pepper	Spinach	Sweet Corn	Tomato Round	Tomato Jam	Carrot	Green pepper	Coloured pepper	Spinach	Sweet Corn	Tomato Round	Tomato Jam	Carrot	Green Pepper	Coloured pepper	Spinach	Sweet Corn	Tomato Round	Tomato Jam	Carrot	Green pepper	Coloured pepper	Spinach	Sweet Corn	
SN	Name Of Producer	Local	Export																																				
1	Elina Kalundu	✓																																					
2	Clemens Makumbi	✓																																					
3	Paul Pitiya	✓																																					
4	Mukanwa Mathews	✓																																					
5	Bernard Sitali	✓																																					
6	Sandra manga Musukubili	✓																																					
7	Lucious Chataa	✓																																					
8	Ibalelo Ntelamo	✓																																					
9	Rector Mutelo	✓																																					
10	Likezo Florance	✓																																					
11	Eustance Mujohn	✓																																					
12	Jonathan Kamwi	✓																																					
13	Lubasi Majakube	✓																																					
14	Prisca Madubeko	✓																																					
15	Oscar Lubasi	✓																																					
16	Beauty Lubopile	✓																																					
17	Precious Mufwanzala	✓																																					
18	Marina Musweu	✓																																					
19	Cletius Mushaukwa	✓																																					
20	George Nalisa	✓																																					
21	Benedict Musialike	✓																																					
22	Clement Mulyokela	✓																																					
23	Kamwi Lubanda	✓																																					

Table 3 continued

[illegible]

Table 3 continued

[illegible]

Table 3 continued

Source: NAB, 2021

CENTRAL AREA																																					
1	Stephan Gaugler	✓																																			
2	Jacques Cotzee	✓																																			
3	Magnus Curz	✓																																			
4	Corne Kunh	✓																																			
5	Roy Musewa	✓																																			
6	Jan Conradie	✓																																			
7	Anton Koekemore	✓																																			
8	Jaco van Westhuizen	✓																																			
9	Solomon Nemaire	✓																																			
10	Dina Straus	✓																																			
11	Myburen Walme	✓																																			
12	Jaco Thomas	✓																																			
13	Gerson Geingob	✓																																			
14	Venaani Katjua	✓																																			
15	Henk Peters	✓																																			
16	Gruna Waldschmidt	✓																																			
17	Lothar Kollnitz	✓																																			
18	George Ellis	✓																																			
SOUTH AND ORANGE RIVER AREA																																					
1	Chari van Rensburg	✓																																			
2	Loius Louw	✓																																			
3	Lovisa Sackaria	✓																																			
4	Herman van Dyk	✓																																			
5	Hoekes van Niekerk	✓																																			
6	Rudie Kotze	✓																																			
7	Jimmy O Kennedy	✓																																			
8	Fanie Louw	✓																																			
9	Zirk Jansen	✓																																			
10	Johan Roux	✓																																			
11	G.F Janse van Rensburg	✓																																			
12	Chris Husmaine	✓																																			

## 4. EXPECTED PRODUCTION VS DEMAND ANNALYSIS

### 4.1 TABULATION ANALYSIS

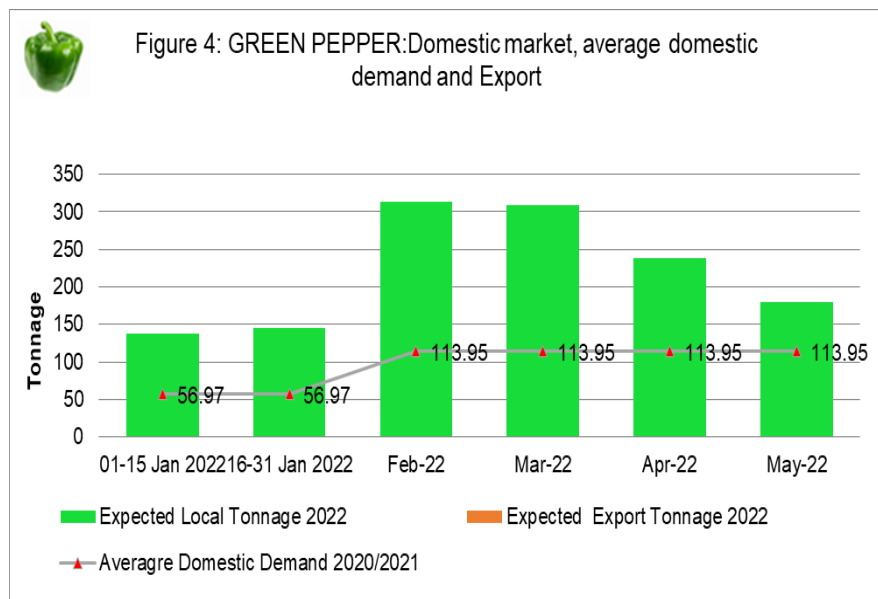
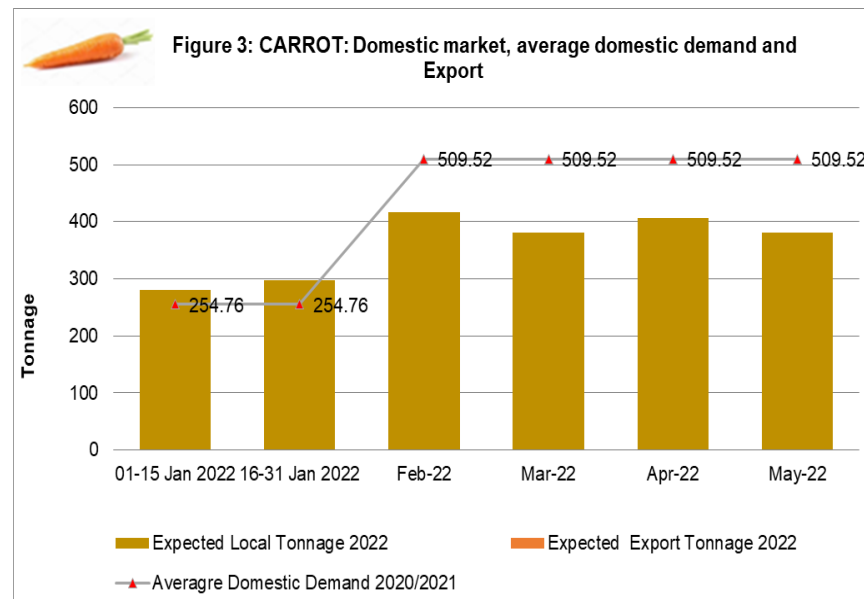
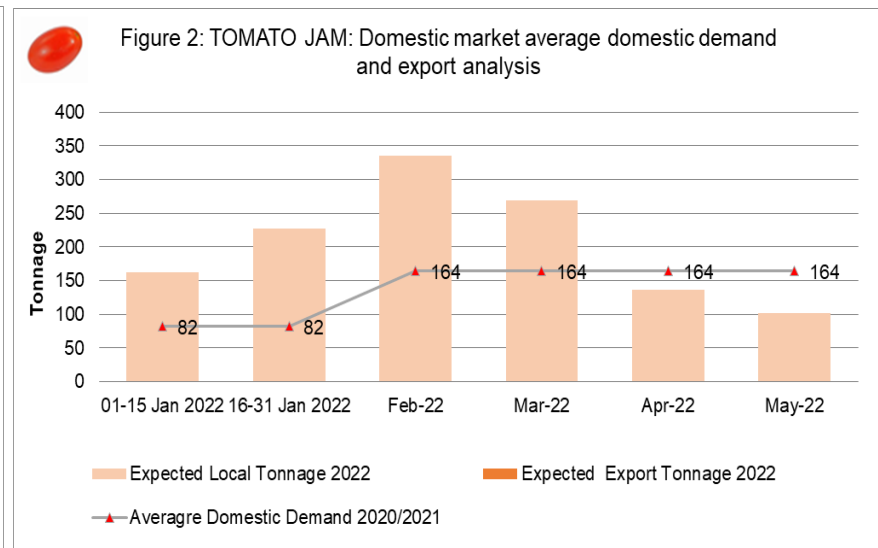
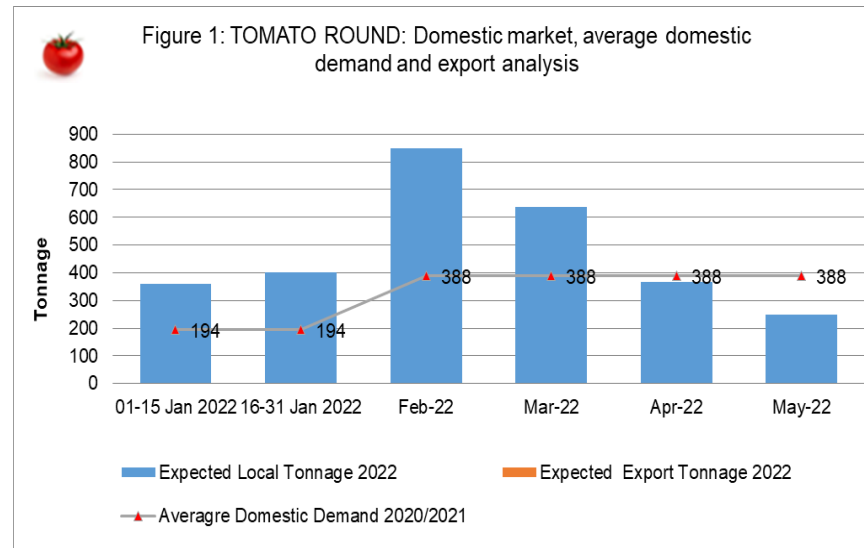
**Table 4:** Below indicates expected production versus the average domestic demand per crop per month

The total tonnage expected for Tomato Round and Tomato Jam, Carrot, Green Pepper, Colour Pepper and Sweetcorn are expected to be Sufficient in the entire permit period of 01 to 31 January 2022. Spinach will be insufficient in the entire forecasted Period.

Table 4A: EXPECTED PRODUCTION VERSUS DOMESTIC DEMAND ANALYSIS FOR SPECIAL CONTROLLED PRODUCTS								
		Numbers in this table represents Tonnage						
Crop	Expected <b>Shortage</b> or <b>Surplus</b>	01-15 Jan 22	16-31 Jan 22	Feb-22	Mar-22	Apr-22	May-22	TOTAL
Tomato Round	Expected for Domestic Market	360.6	400.5	849.2	636.7	367.1	250.2	2864.3
	Average Domestic Demand	194.0	194.0	388.0	388.0	388.0	388.0	1940.0
	<b>Surplus /Shortage</b>	<b>166.6</b>	<b>206.5</b>	<b>461.2</b>	<b>248.7</b>	<b>-20.9</b>	<b>-137.8</b>	<b>924.3</b>
Tomato Jam	Expected for Domestic Market	163.0	226.8	336.0	269.6	136.0	102.0	1233.3
	Average Domestic Demand	82.0	82.0	164.0	164.0	164.0	164.0	820.0
	<b>Surplus /Shortage</b>	<b>81.0</b>	<b>144.8</b>	<b>172.0</b>	<b>105.6</b>	<b>-28.0</b>	<b>-62.0</b>	<b>413.3</b>
Carrot	Expected for Domestic Market	281.0	297.0	416.5	380.0	406.3	380.0	2160.8
	Average Domestic Demand	254.8	254.8	509.5	509.5	509.5	509.5	2547.6
	<b>Surplus /Shortage</b>	<b>26.2</b>	<b>42.2</b>	<b>-93.0</b>	<b>-129.5</b>	<b>-103.3</b>	<b>-129.5</b>	<b>-386.9</b>
Green Pepper	Expected for Domestic Market	138.1	145.2	313.0	309.1	238.0	178.8	1322.2
	Average Domestic Demand	57.0	57.0	114.0	114.0	114.0	114.0	569.7
	<b>Surplus /Shortage</b>	<b>81.2</b>	<b>88.2</b>	<b>199.0</b>	<b>195.1</b>	<b>124.0</b>	<b>64.9</b>	<b>752.4</b>
Colour Pepper	Expected for Domestic Market	85.0	85.0	170.0	170.0	170.0	170.0	850.0
	Average Domestic Demand	49.8	49.8	99.6	99.6	99.6	99.6	498.0
	<b>Surplus /Shortage</b>	<b>35.2</b>	<b>35.2</b>	<b>70.4</b>	<b>70.4</b>	<b>70.4</b>	<b>70.4</b>	<b>352.0</b>
Sweetcorn	Expected for Domestic Market	23.1	25.1	14.6	14.6	14.6	14.6	106.5
	Average Domestic Demand	22.5	22.5	45.0	45.0	45.0	45.0	225.0
	<b>Surplus /Shortage</b>	<b>0.6</b>	<b>2.6</b>	<b>-30.4</b>	<b>-30.4</b>	<b>-30.4</b>	<b>-30.4</b>	<b>-118.5</b>
Spinach	Expected for Domestic Market	14.7	14.9	24.8	13.2	13.2	13.2	93.9
	Average Domestic Demand	20.3	20.3	40.6	40.6	40.6	40.6	203.0
	<b>Surplus /Shortage</b>	<b>-5.6</b>	<b>-5.4</b>	<b>-15.8</b>	<b>-27.4</b>	<b>-27.4</b>	<b>-27.4</b>	<b>-109.1</b>

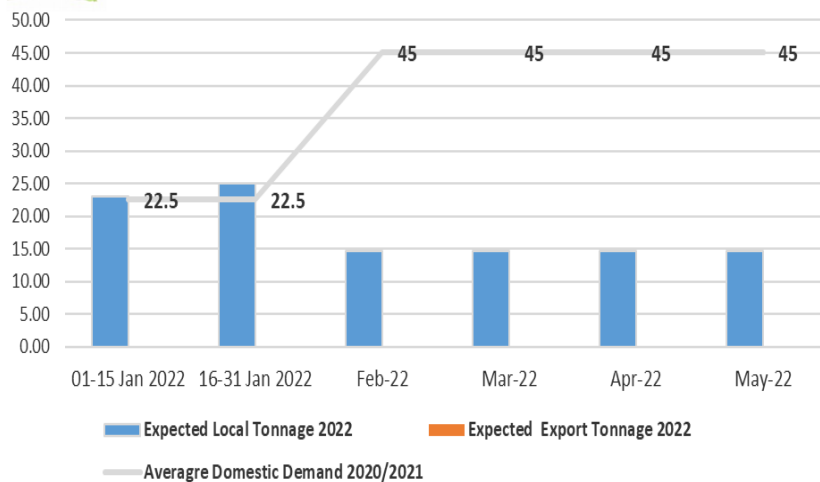
## 4.2 GRAPHICAL ANALYSIS

**Figures 1- 7:** Below indicate the expected Local Tonnage, average domestic demand and export analysis per crop, we therefore have sufficient supply of Tomato Round and Jam, Sweet Corn, Colour Pepper, Green Pepper and Carrot from 01 to 31 January 2022.

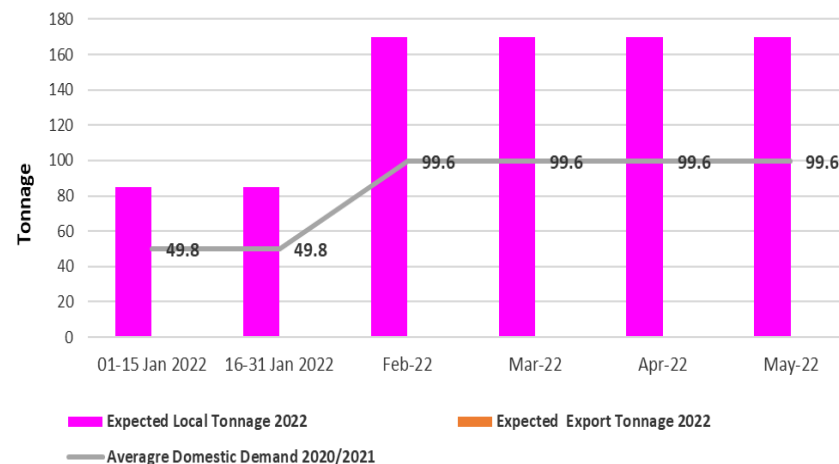




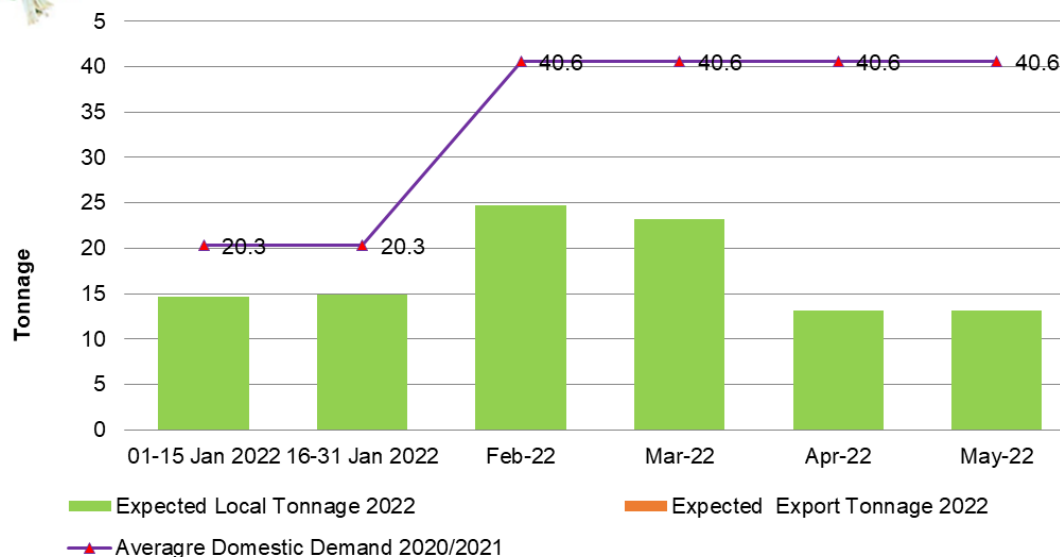
**Figure 5: SWEETCORN :Domestic market, average domestic demand and export**



**Figure 6: COLOUR PEPPER :Domestic market,average domestic demand and export**



**Figure 7 : SPINACH: Domestic market, average domestic demand and export**



## 5. CONCLUSIONS AND RECOMMENDATIONS

In conclusion, the report tells us that there will be sufficient supply of Tomato Round, Tomato Jam, Sweetcorn, Carrot, Green Pepper and Colour Pepper during the entire permit period of 01 to 31 January 2022. While the Spinach will be insufficient for the whole forecasted period from 01 January to 31 May 2022. It is worth noting that the 47% MSP apply at all the times.

It is therefore recommended that the border should be closed 100% for importation of Tomato Round, Tomato Jam, Sweetcorn, Carrot, Green Pepper and Colour Pepper for the entire permit period of 01 to 31 January 2022. The Spinach must be opened on pro-rata basis of 70% to 30%, Local and Import respectively.

Mary Christmas and Happy new year to all and best wishes in the Year 2022.

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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**

Enquiries: Ms. Selma Uahengo

Cell: +264 812265234

Email: Selma.Uahengo@nab.com.na

## 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.....



SOUTH AND ORANGE RIVER AREAS																													
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																																
		MARKET			1-15 Jan-22				16-31 Jan-22				Feb-22				Mar-22				Apr-22				May-22							
		I	F	E	Cauliflower	Broccoli	Mushroom			Cauliflower	Broccoli	Mushroom			Cauliflower	Broccoli	Mushroom			Cauliflower	Broccoli	Mushroom			Cauliflower	Broccoli	Mushroom					
NAME OF PRODUCER																																
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 Surplus or Shortage	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	526
	Average Domestic Demand (2019/20)	95	95	95	95	95	95	475
	Surplus / shortage (Tonnage)	34	13	31	5	-5	-15	51
<b>English Cucumber</b>	Expected Tonnage for domestic market	123	102	213	213	178	158	883
	Average Domestic Demand (2019/20)	95	95	95	95	95	95	475
	Surplus / shortage (Tonnage)	28	7	118	118	83	63	408
<b>Sweet Potato</b>	Expected Tonnage for domestic market	185	16	152	77	42	41	497
	Average Domestic Demand (2019/20)	120	120	120	120	120	120	600
	Surplus / shortage (Tonnage)	65	-104	32	-43	-78	-79	-103
<b>Watermelon</b>	Expected Tonnage for domestic market	914	485	757	600	270	60	2600
	Average Domestic Demand (2019/20)	160	160	160	160	160	160	800
	Surplus / shortage (Tonnage)	754	325	597	440	110	-100	1800
<b>Sweet melon</b>	Expected Tonnage for domestic market	119	165	231	230	60	0	639
	Average Domestic Demand (2019/20)	100	100	100	100	100	100	500
	Surplus / shortage (Tonnage)	19	65	131	130	-40	-100	139
<b>Lettuce</b>	Expected Tonnage for domestic market	19	19	37	38	38	38	168
	Average Domestic Demand (2019/20)	75	75	75	75	75	75	375
	Surplus / shortage (Tonnage)	-56	-56	-38	-38	-38	-38	-207

Source: NAB 2021

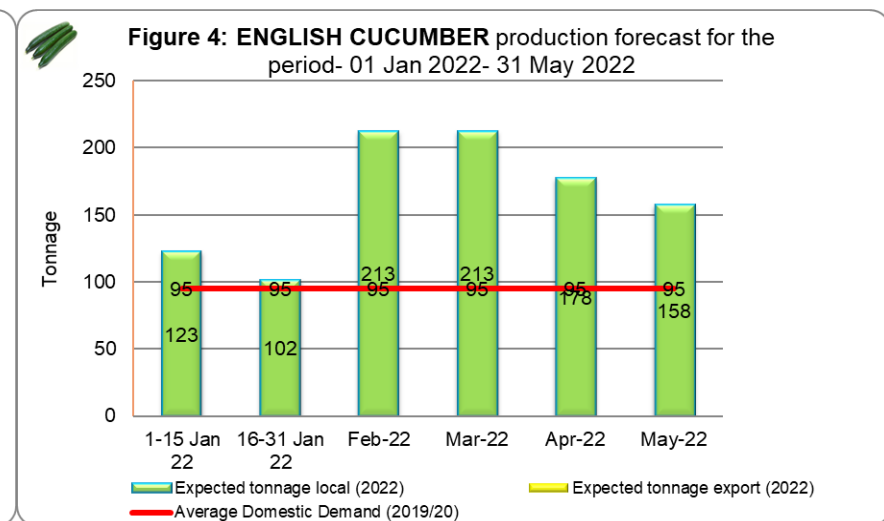
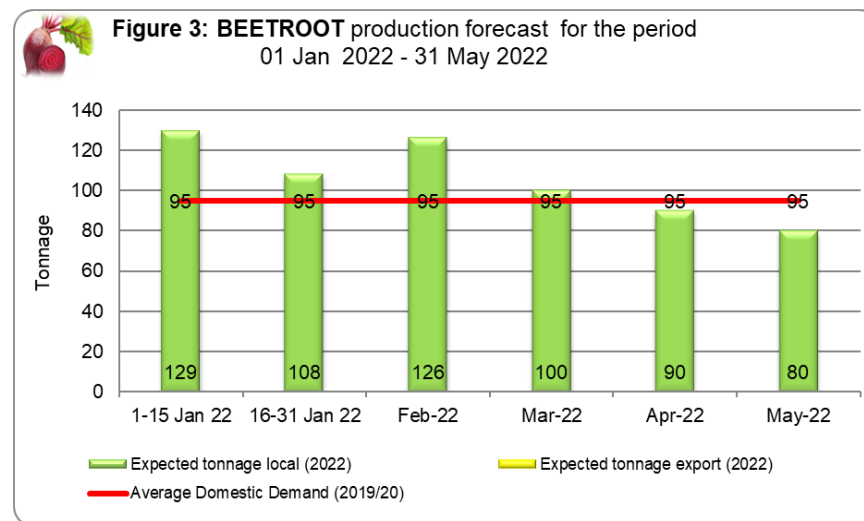
Table 3B indicate the total availability of Mushroom as a monitored crop.

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

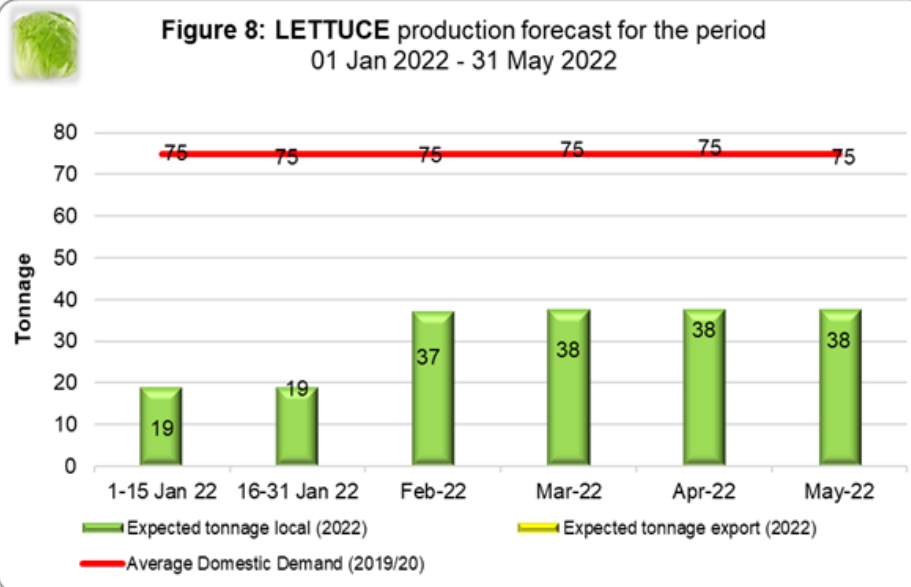
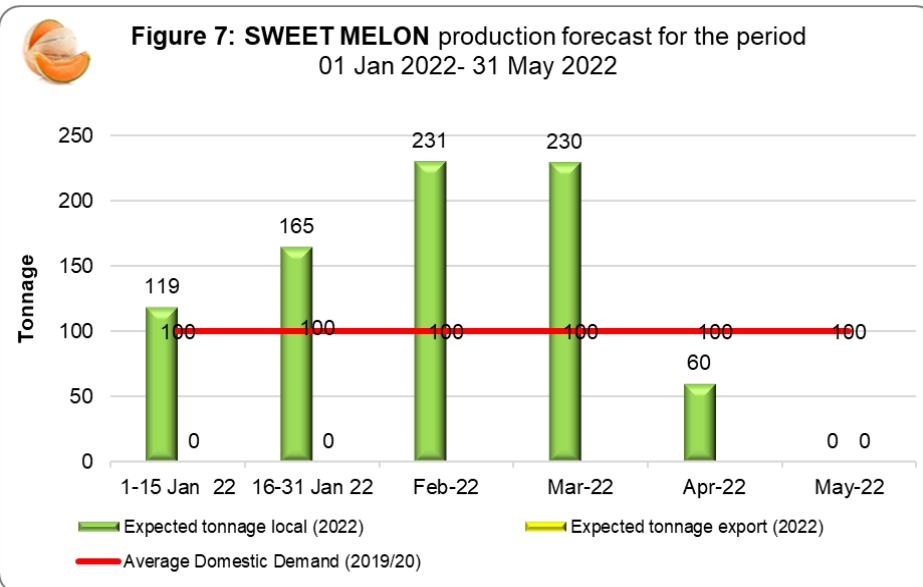
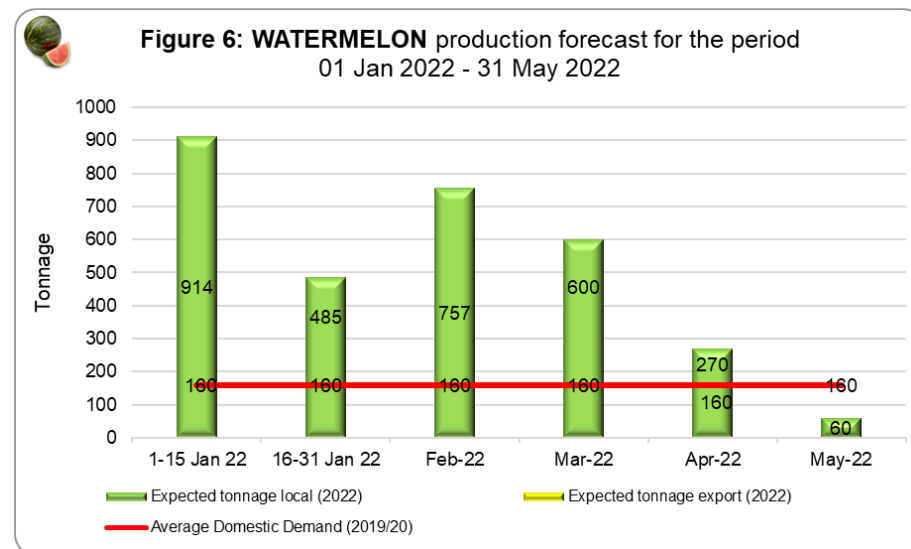
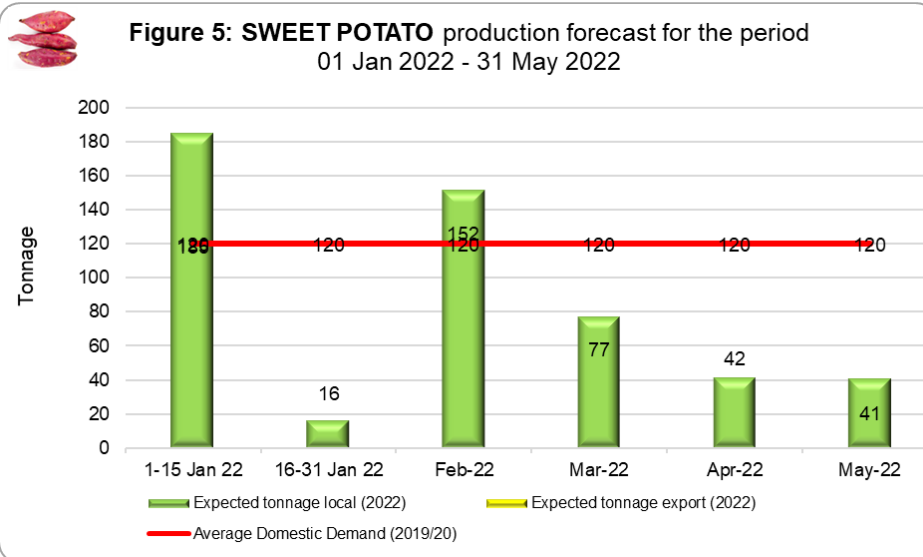
Source: NAB 2021

## 5 GRAPHICAL ANALYSIS

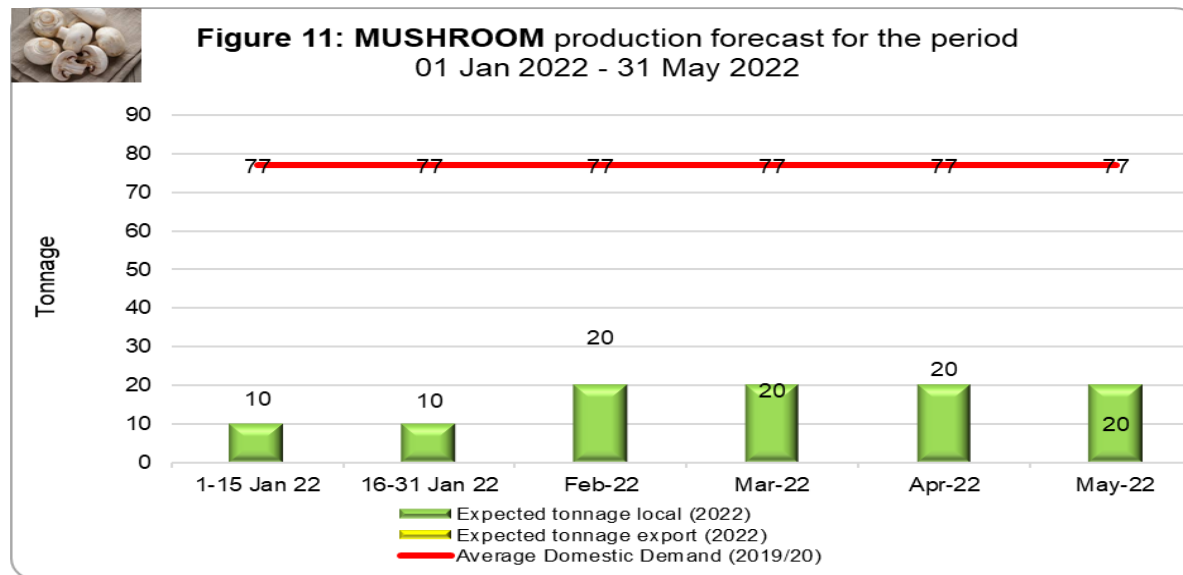
Figure 3 and 4 shows that there will be sufficient local supply for Beetroots and English Cucumbers for the forecasted period as illustrated in the figures below.



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]