



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 DECEMBER 2021 TO 30 APRIL 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 December 2021 to 30 April 2022														
Numbers in the table below represents tonnage													Last updated: 19 November 2021	
PRODUCTION AREAS	Special controlled and monitored crops	Dec-21			Jan-22		Feb-22		Mar-22		Apr-22		Total (for the 5 months period)	
		01-15 Dec 21 Local	16-31 Dec 21 Local	01-31 Dec 21 Export	Local	Export	Local	Export	Local	Export	Local	Export	Yield	Ha to be harvested
ZAMBEZI REGION	Butternuts	7.14	6.93	0.00	1.53	0.00	1.53	0.00	0.00	0.00	0.00	0.00	17.13	0.82
	Cabbage	0.00	0.51	0.00	20.83	0.00	15.73	0.00	0.00	0.00	0.00	0.00	37.06	0.81
	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	1.44	1.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.87	0.07
	Pumpkins	0.53	6.38	0.00	8.50	0.00	14.88	0.00	0.00	0.00	0.00	0.00	30.28	0.52
KAVANGO REGIONS	Butternuts	27.75	9.29	0.00	2.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	39.25	3.16
	Cabbage	2.98	27.63	0.00	7.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	38.25	1.50
	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	17.68	21.45	0.00	7.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	46.91	1.60
	Potatoes	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
NORTH CENTRAL	Pumpkins	45.48	45.48	0.00	85.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	175.95	5.14
	Butternuts	45.05	50.50	0.00	98.64	0.00	38.25	0.00	0.00	0.00	0.00	0.00	232.44	15.54
	Cabbage	87.04	85.77	0.00	122.40	0.00	88.40	0.00	3.40	0.00	0.00	0.00	387.01	11.62
	Gem squash	0.00	4.25	0.00	5.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.35	0.50
	Onions	24.23	19.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	43.78	2.04
KARSTLAND	Pumpkins	1.28	1.28	0.00	0.00	0.00	21.25	0.00	0.00	0.00	0.00	0.00	23.80	1.10
	Butternuts	106.68	114.33	0.00	178.46	0.00	66.30	0.00	73.95	0.00	56.95	0.00	596.66	32.97
	Cabbage	225.25	231.20	0.00	332.35	0.00	162.35	0.00	162.35	0.00	153.85	0.00	1267.35	26.85
	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	365.50	352.75	0.00	250.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	969.00	28.25
CENTRAL	Potatoes	680.00	1062.50	0.00	340.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2082.50	60.00
	Pumpkins	23.38	31.03	0.00	56.95	0.00	76.50	0.00	46.75	0.00	21.25	0.00	255.85	8.25
	Butternuts	4.25	34.00	0.00	47.60	0.00	12.75	0.00	29.75	0.00	0.00	0.00	128.35	5.30
	Cabbage	141.95	141.95	0.00	136.00	0.00	102.00	0.00	85.00	0.00	0.00	0.00	606.90	15.37
	Gem squash	0.00	12.75	0.00	12.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.50	1.00
SOUTH AND ORANGE RIVER	Onions	309.40	320.45	255.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	884.85	19.92
	Potatoes	425.00	425.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	850.00	25.00
	Pumpkins	0.00	0.00	0.00	51.00	0.00	17.00	0.00	17.00	0.00	0.00	0.00	85.00	2.50
	Butternuts	11.90	13.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.50	1.00
	Cabbage	21.25	21.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	42.50	1.00
Total expected production tonnage per crop per month	Gem Squash	11	31	0	28	0	10	0	10	0	10	0	100	4
	Onions	718	716	255	259	0	0	0	0	0	0	0	1947	52
	Potatoes	1105	1488	0	340	0	0	0	0	0	0	0	2933	85
	Pumpkins	111	125	0	240	0	130	0	64	0	21	0	690	21
	Garlic		25.32	0	4.6	0	0	0	0	0	0	0	29.92	4.34

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, cabbage and onions 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 <b>SPECIAL CONTROLLED CROPS</b> (Butternuts, Cabbage, Gem squash, Onions, Potatoes and Pumpkins)																																					
KEY : BUTTERNUT =  CABBAGE =  GEM SQUASH =  ONION =  POTATO =  PUMPKIN = 																																					
PERIOD: 01 December 2021 to 30 April 2022 <span style="float: right;">Last updated: 19 November 2021</span>																																					
Contact Person	Target Market			01-15 Dec 2021						16-31 Dec 2021						Jan-22					Feb-22					Mar-22					Apr-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				
<b>ZAMBEZI</b>																																					
1	Benedict Musialike	√	√																																		
2	Clemens Makumbi	√	√																																		
3	Clement Mulyokela	√	√																																		
4	Eustance Mujohn	√	√																																		
5	Hidden Kabula	√	√																																		
6	Molly M. Mulife	√	√																																		
7	Morgen Saisa	√	√																																		
8	Richard Kambinda (ZVTC)	√	√																																		
<b>KAVANGO</b>																																					
Contact Person	Local Informal	Local Formal	Export	01-15 Dec 2021						16-31 Dec 2021						Jan-22					Feb-22					Mar-22					Apr-22						
1	Agatha Muronga	√	√																																		
2	Agnes Kudumo	√	√																																		
3	Alisia Shitemo	√	√																																		
4	Augustinus Poroto	√	√																																		
5	Christine Ndara	√	√																																		
6	Cornelius Haingura	√	√																																		
7	Eleotera Kapepo	√	√																																		
8	Hakusembe Leevi Hamatwi	√	√																																		
9	Henrick Locke	√	√																																		
10	Johanna Salomo	√	√																																		
11	Johannes Haufiku	√	√																																		
12	Kasiku Ihemba	√	√																																		
13	Laurentia Nkandanga	√	√																																		




































Table 3A continues...

14	Magdalena Simuketa	√	√																	
15	Maria Magdalena Wihanga	√	√																	
16	Muyenga Bartholomeus	√	√																	
17	Ndongalinena GSIP (SSF)	√	√																	
18	Reino Siwoko	√	√																	
19	Rosa Musenge	√	√																	
20	Sakeus Josef	√	√																	
21	Sallome Haingura	√	√																	
22	Shandikongoro GSIP (SSF)	√	√																	

**NORTH CENTRAL**

Contact Person	Local informal	Local Formal	Export	01-15 Dec 2021	16-31 Dec 2021	Jan-22	Feb-22	Mar-22	Apr-22
1	Abisai Amashili	√	√						
2	Albertus Viljoen	√	√						
3	Andreas Ashimbanga	√	√						
4	Andreas Shihepo	√	√						
5	Assery Moses	√	√						
6	Elifas Keendjele	√	√						
7	Elifas Nuuyoma	√	√						
8	Elise Auino	√	√						
9	Emilie Marais	√	√						
10	Emilie Naunyango	√	√						
11	Erastus Mumbala	√	√						
12	Etunda GSIP (Small & medium)	√	√						
13	Hiskia Hambiya	√	√						
14	Host lipumbu	√	√						
15	Immanuel Hambiya	√	√						
16	Innocent Kalola	√	√						
17	Ismael Kapuka	√	√						
18	J. Steyn	√	√						
19	Johannes Naindjala	√	√						
20	Junias Mwafekelange	√	√						
21	Karoline Paavo	√	√						
22	Michael Shiningamwe	√	√						
23	Moses Shambwila	√	√						
24	Noa Hanyanya	√	√						
25	Nyanyukweni Amakali	√	√						

Table 3A continues...

26	Paulus Amutenya	✓	✓		 																		
27	Paulus Kapia	✓	✓																				
28	Paulus Kapuka	✓	✓																				
29	Paulus Titus	✓	✓		 				 														
30	Petrus Matheus	✓	✓																				
31	Phillipus lipinge	✓	✓																				
32	Shapaka Katangala	✓	✓																				
33	Shetuuka Shetuuka	✓	✓																				
34	Shikesho Benjamen	✓	✓																				
35	Simeon Negumbo	✓	✓											 									
36	Sylvanus Naunyango	✓	✓		 				 														
37	Tangeni T. Negonga	✓	✓																				
38	Tarcisius Shingundu	✓	✓																				
39	Vaino Shikongo	✓	✓																				
40	Veiko Imalwa	✓	✓																				

**KARSTLAND**










































































Contact Person	Local informal	Local Formal	Export	01-15 Dec 2021	16-31 Dec 2021	Jan-22	Feb-22	Mar-22	Apr-22		
1	C. D Shifotoka	✓	✓								
2	C.J von Mollendorff	✓	✓	✓							
3	Christiaan Barry	✓	✓								
4	Dawid Bisschoff	✓	✓								
5	De Wet Steven Robinson	✓	✓								
6	Elizabeth & Erick van Drueten	✓	✓		  		 		 	 	
7	Elizabeth Nekundi	✓	✓								
8	Ellenora Muranda	✓	✓								
9	Etuna Nashima	✓	✓								
10	Geoffery Shekupe	✓	✓								
11	Gerhard Sachse	✓	✓								
12	Gero Hirsch	✓	✓		 						
13	Gerrit Cilliers	✓	✓								
14	Hagen Frenzel	✓	✓	✓							
15	Hannes Swanepoel	✓	✓		   	  	  	 	  	  	
16	Hansie van der Merwe	✓	✓	✓	  	  	  	 	 	 	
17	Hilma Jacobs	✓	✓								
18	Jan Cronje	✓	✓	✓							
19	Johan E. van der Merwe	✓	✓		 						
20	Johannes Muronga	✓	✓			 					
21	John Shaetonodi	✓	✓		 						

Table 3A continues...

22	Jorg Spoerer	√	√																										
23	Juliana Gericke	√	√																										
24	Liza and Jan van der Merwe	√	√																										
25	Louis Smit	√	√	√																									
26	Ludie Kolver	√	√																										
27	Ludwig Kapinga	√	√																										
28	Magano Kapia	√	√																										
29	Mark von Maltzahl	√	√																										
30	Munyaradzi Murwira	√	√																										
31	N. Neliwa and L. Ndjadila	√	√																										
32	Ndelitungapo Ndaitwah	√	√																										
33	Ndinelago Tshiguuo	√	√																										
34	Neels van der Merwe	√	√																										
35	Pendafule Hellao	√	√																										
36	Peter Kawana	√	√																										
37	P.T. Erasmus	√	√																										
38	Phelep Pendukeni	√	√																										
39	Ricky Kukuri	√	√																										
40	Sabine Blume	√	√																										
41	Uaraa Maombokere	√	√																										
42	Willem Shali	√	√	√																									

**CENTRAL**

NAME OF PRODUCER	Local informal	Local Formal	Export	01-15 Dec 2021					16-31 Dec 2021					Jan-22					Feb-22					Mar-22					Apr-22				
1	Bertus Pretorius	√	√																														
2	Ernest Dewaal	√	√																														
3	Hagen Horsthmark	√	√																														
4	Johannes Meyer	√	√																														
5	Lothar Kollimitz	√	√																														
6	Ludie Kolver	√	√	√																													
7	Magnus Kurz	√	√																														
8	MKR Clandara	√	√																														
9	Mushena Roy	√	√																														
10	Sem Tangeni Nepando	√	√																														
11	Solomon Nemaire	√	√																														
12	Stefan Gaugler	√	√																														

Table 3A continues...

SOUTH AND ORANGE RIVER																				
NAME OF PRODUCER		Local informal	Local Formal	Export	01-15 Dec 2021				16-31 Dec 2021				Jan-22		Feb-22		Mar-22		Apr-22	
1	Burger J. Harmse	√	√																	
2	Charl Van Rensburg	√	√																	
3	Hendrik Berg	√	√																	
4	Hentie van Dyk	√	√																	
5	Herman van Dyk	√	√																	
6	Jean Roux	√	√																	
7	Jimmy O kennedy	√	√																	
8	Loius Louw	√	√																	
9	Rudi Kotze	√	√																	

**Note:** Producers not listed herein, it is either because they will not harvest any of the six (6) special controlled products or they did not provide their production data for this reporting period.

Kindly note that, producers who wash potatoes in Namibia includes: Lourens Le Grange in Kavango; Cobus Coetzee, Hannes Arangies, Hansie van der Merwe, Jan Keyser and Loui Smit in the Karst while in central there is Ludie Kolver and Etienne Jooste. All other producers supplies unwashed or brushed potatoes

Source: NAB, 2021

**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 December 2021 to 30 April 2022				Last updated: 19 November 2021		
NAME OF PRODUCER	01-15 Dec 21	16-31 Dec 21	Jan-22	Feb-22	Mar-22	Apr-22
<b>Central Area</b>						
1	Chrisman Stander					
2	Corne Kuhn					
3	Gerhar Gehardus					
4	Henk Peters					
5	Jaco Thomas					
6	Wessel Johaness					

Source: NAB, 2021



#### 4. EXPECTED PRODUCTION VS DEMAND ANALYSIS

##### 4.1 TABULATION ANALYSIS

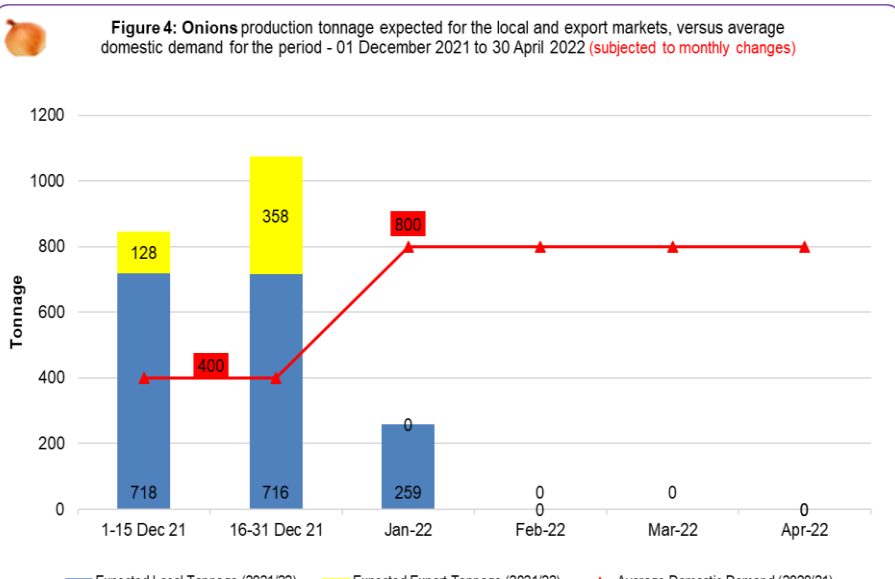
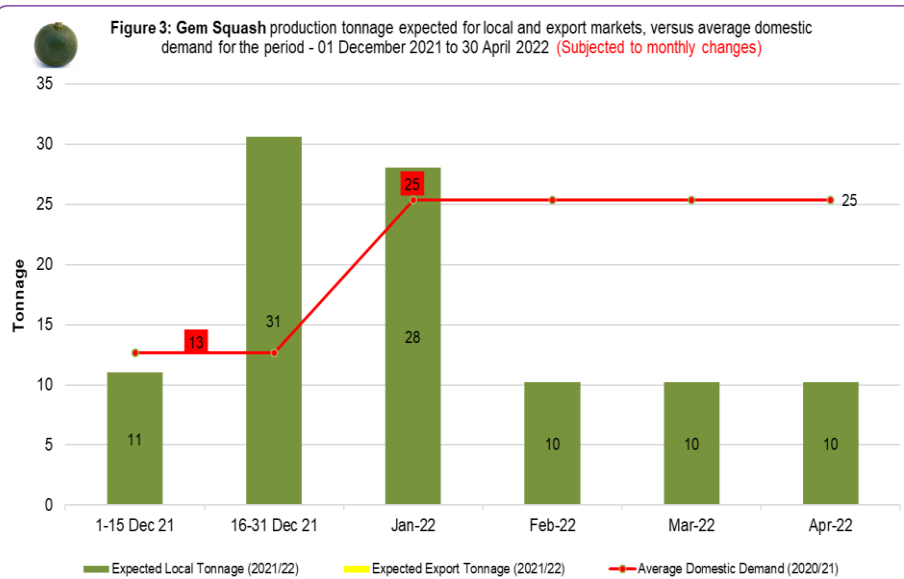
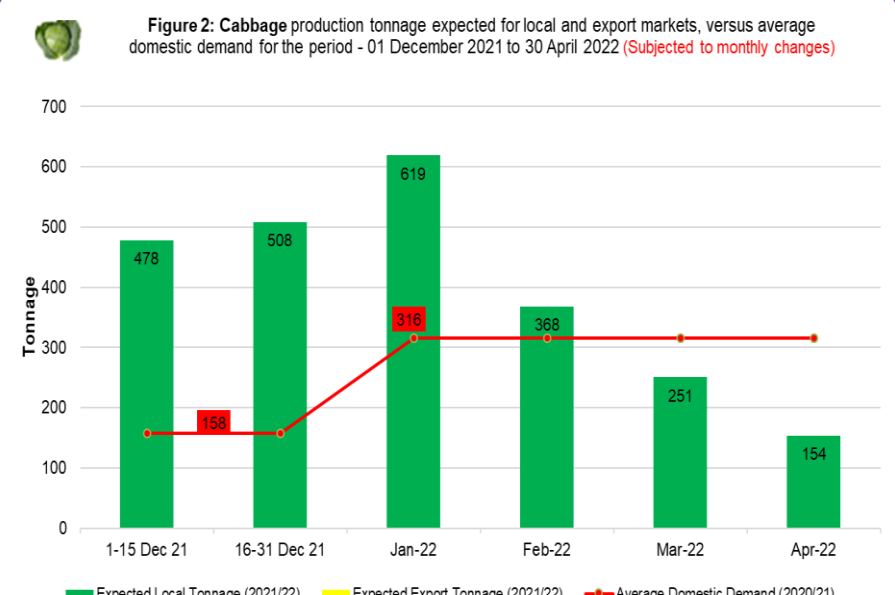
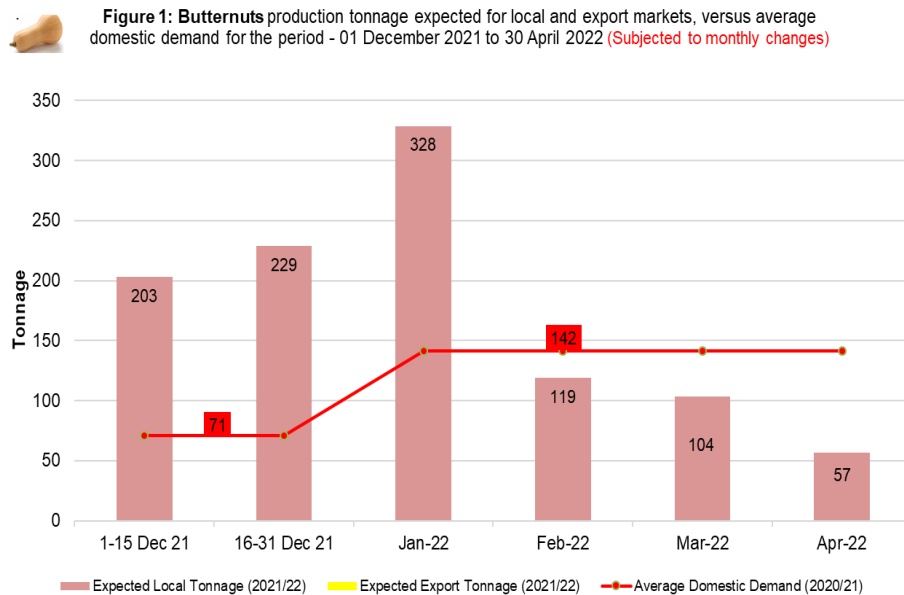
**Table 4** below shows that, the total tonnage expected for butternuts, cabbage, onions and pumpkins will be sufficient to satisfy the domestic market in December 2021. **Table 4** further shows that; Gem squash and potatoes are forecasted to be insufficient for the domestic demand in December 2021.

Table 4: ANALYSIS OF THE EXPECTED TONNAGE FOR DOMESTIC MARKET VERSUS AVERAGE DOMESTIC DEMAND								
Numbers in this table represents tonnage					Last updated: 19 November 2021			
Special Controlled Crops	Expected Surplus or Shortage	01-15 Dec 2021	16-31 Dec 2021	Jan-22	Feb-22	Mar-22	Apr-22	Total
Butternuts	Expected for domestic market	203	229	328	119	104	57	837
	Average domestic demand	71	71	142	142	142	142	638
	Surplus / shortage	132	158	187	-23	-38	-85	199
Cabbage	Expected for domestic market	478	508	619	368	251	154	1901
	Average domestic demand	158	158	316	316	316	316	1422
	Surplus / shortage	320	350	303	52	-65	-162	478
Gem Squash	Expected for domestic market	11	31	28	10	10	10	89
	Average domestic demand	13	13	25	25	25	25	114
	Surplus / shortage	-2	18	3	-15	-15	-15	-25
Onions	Expected for domestic market	718	716	259	0	0	0	974
	Average domestic demand	400	400	800	800	800	800	3602
	Surplus / shortage	318	315	-542	-800	-800	-800	-2628
Potatoes	Expected for domestic market	1105	1488	340	0	0	0	1828
	Average domestic demand	1,919	1919	3838	3838	3838	3838	17272
	Surplus / shortage	-814	-432	-3498	-3838	-3838	-3838	-15444
Pumpkins	Expected for domestic market	111	125	240	130	64	21	690
	Average domestic demand	35	35	70	70	70	70	351
	Surplus / shortage	76	89	169	59	-7	-49	338

Source: NAB, 2021

## 4.2 GRAPHICAL ANALYSIS

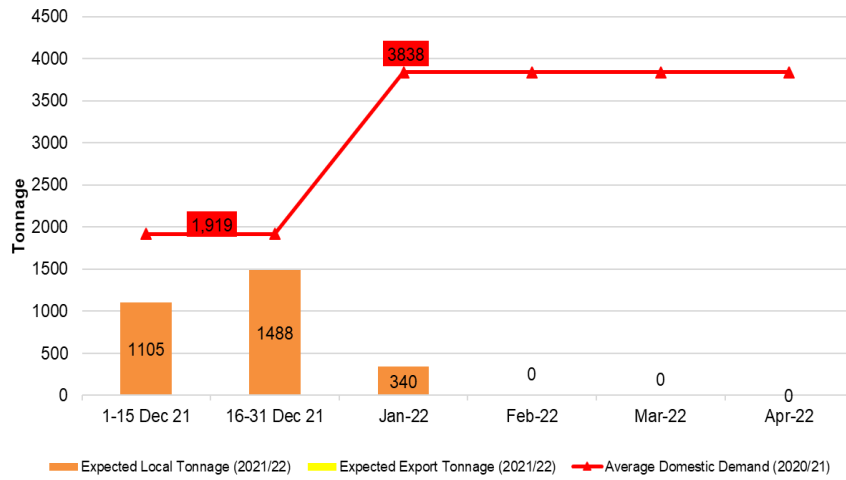
Graphical analysis shows the domestic production tonnage expected for the local and export markets as well as the average domestic demand. **Figure 1, 2, 4 and 6** below shows that the projected production tonnage for butternuts, cabbage, onions and pumpkins reserved for local market are expected to be sufficient in December 2021. Whereas, **figure 3** shows that gem squash is expected to be insufficient in the first two weeks of December 2021.



Graphical analysis figures continue...



**Figure 5: Potatoes** production tonnage expected for local and export markets, versus average domestic demand for the period: 01 December 2021 to 30 April 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 December 2021 to 30 April 2022 (Subjected to monthly changes)

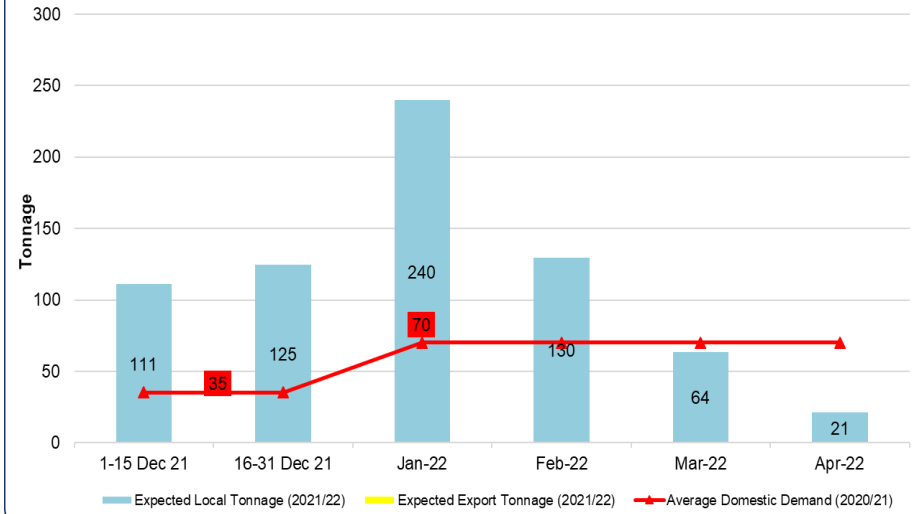
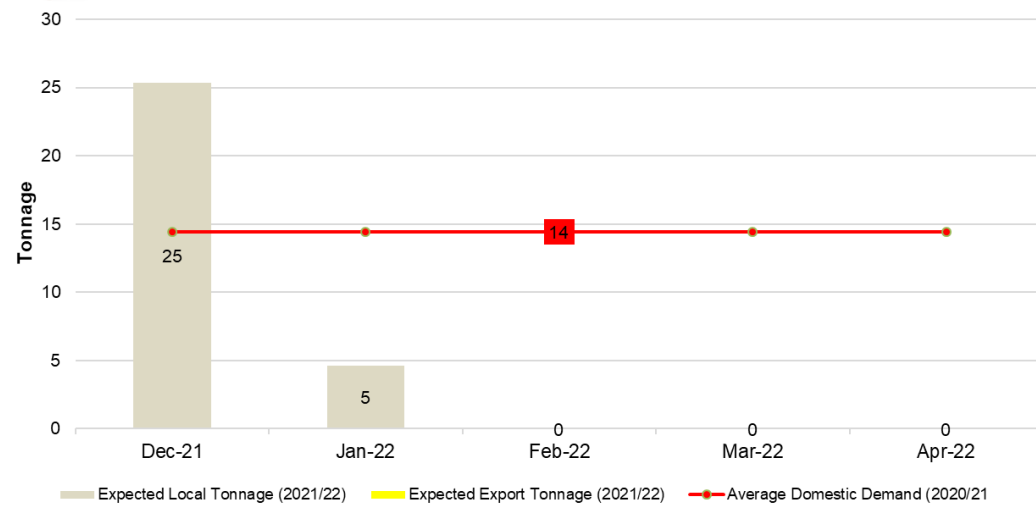


Figure A below shows that the projected production tonnage for garlic (as a monitored crop) is expected to be sufficient in December 2021.



**Figure A: Garlic** production forecasted for the period - 01 December 2021 to 30 April 2022 (Subjected to monthly changes)



Source: NAB, 2021

