



HORTICULTURE: VEGETABLES PRODUCTION FORECAST REPORTS _1,2, &3

FORECASTED PERIOD:

01 NOVEMBER 2022 TO 31 MARCH 2023

Introduction

In these three (3) production forecast reports, the local production forecast for 19 Special Controlled Products (SCP) are considered. At the beginning of each report, the inclusion and exclusions for each special controlled product are discussed. Next, the tonnage expected to be harvested per production area during the forecasted period is analysed and the producers expected to harvest specific special controlled products are shown in the availability calendar. Subsequently, the surplus and shortages expected for each SCP is shown in the table and graphically to inform close and open borders period. It is imperative to note that, the production of the special controlled products is monitored by NAB, and involves close border period whenever sufficient local production is expected, and the SCP 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 mentioned in these reports are those horticultural crops whose production is closely monitored and have the greatest potential to be added to the special controlled products in future. Hence, the close and open borders period implementation is not applicable in case of monitored crops and they are imported using the mixed fruit and vegetables import permit valid for 90 days. Thus, the objectives of vegetables production forecast reports are:

- *Assist traders and producers to understand special controlled products in surplus or shortage and inform their buying and planting decisions respectively.*
- *Inform the close and open borders period implementation by the NAB*
- *Facilitate market between traders and producers by demonstrating the producers that are expected to have products available during the forecasted period.*
- *To effectively disseminate information to all value chain actors in the horticulture industry to observe the local production volume forecasted for a specific period.*



Butternuts



Cabbage



Gem Squash



Onions



Potatoes



Pumpkins



Garlic



HORTICULTURE: VEGETABLE PRODUCTION FORECAST

REPORT NO. 1

FORECASTED PERIOD:

01 NOVEMBER 2022 TO 31 MARCH 2023

Agronomy and Horticulture Market Development Division
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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**. Please see the listed inclusions and exclusions for the aforementioned Special Controlled Products in table 1 below.

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".	Hubbard Squash. 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, Red Onions and Spring 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, 2022

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 to be harvested, and hectares planted per crop per production zone during the forecasted period of **01 November 2022 to March 2023**. Potatoes, cabbage and onions are the top commodities expected to be harvested in larger volume for this period.

Table 2: FIVE MONTHS EXPECTED PRODUCTION PER CROP, PER AREA FOR THE PERIOD: 01 November 2022 to 31 March 2023														
Numbers in the table below represents tonnage													Last updated: 19 October 2022	
PRODUCTION AREAS	Special controlled and monitored crops	Nov-22			Dec-22		Jan-23		Feb-23		Mar-23		Total (for the 5 months period)	
		01-15 Nov 22 Local	16-30 Nov 22 Local	01-30 Nov 22 Export	Local	Export	Local	Export	Local	Export	Local	Export	Yield	Ha to be harvested
ZAMBEZI REGION	Butternuts	0.05	0.05	0.00	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.02
	Cabbage	10.79	16.37	0.00	30.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	57.76	1.57
	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	2.36	1.96	0.00	6.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.08	1.36
	Pumpkins	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
KAVANGO REGIONS	Butternuts	4.36	6.10	0.00	49.50	0.00	27.41	0.00	0.00	0.00	0.00	0.00	87.37	4.03
	Cabbage	10.63	23.47	0.00	21.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	55.77	2.09
	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	8.06	9.12	0.00	0.00	0.00	7.44	0.00	0.00	0.00	0.00	0.00	24.62	0.85
	Potatoes	0.00	0.00	0.00	25.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.50	1.00
NORTH CENTRAL	Pumpkins	0.00	0.00	0.00	2.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.98	0.55
	Butternuts	31.88	35.87	0.00	86.11	0.00	19.89	0.00	0.00	0.00	0.00	0.00	173.74	11.45
	Cabbage	83.05	78.37	0.00	164.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	325.47	9.18
	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	28.48	25.67	0.00	9.35	0.00	9.35	0.00	0.00	0.00	0.00	0.00	72.85	5.11
KARSTLAND	Pumpkins	4.25	10.63	0.00	6.80	0.00	5.95	0.00	0.00	0.00	0.00	0.00	27.63	1.25
	Butternuts	23.38	42.93	0.00	171.96	0.00	127.08	0.00	0.00	0.00	0.00	0.00	365.33	18.15
	Cabbage	270.73	288.58	0.00	398.65	0.00	209.10	0.00	161.50	0.00	161.50	0.00	1490.05	22.10
	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	50.15	33.58	0.00	8.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	92.65	3.48
CENTRAL	Potatoes	425.00	425.00	0.00	2245.70	0.00	148.75	0.00	0.00	0.00	0.00	0.00	3244.45	94.25
	Pumpkins	17.00	0.00	0.00	26.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	43.78	1.54
	Butternuts	4.25	4.25	0.00	102.00	0.00	55.25	0.00	0.00	0.00	0.00	0.00	165.75	6.00
	Cabbage	51.00	114.75	0.00	223.13	0.00	170.00	0.00	102.00	0.00	102.00	0.00	762.88	18.00
	Gem squash	25.50	25.50	0.00	30.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	81.60	3.20
SOUTH AND ORANGE RIVER	Onions	345.95	345.95	127.50	289.00	0.00	790.50	0.00	0.00	0.00	0.00	0.00	1898.90	38.60
	Potatoes	0.00	0.00	0.00	0.00	0.00	119.00	0.00	119.00	0.00	0.00	0.00	238.00	7.00
	Pumpkins	5.95	17.00	0.00	89.25	0.00	80.75	0.00	85.00	0.00	0.00	0.00	277.95	7.00
	Butternuts	20.40	28.05	0.00	73.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	122.40	4.40
	Cabbage	73.10	78.20	0.00	180.20	0.00	68.00	0.00	34.00	0.00	0.00	0.00	433.50	6.95
Total expected production tonnage per crop per month	Gem squash	13.60	28.05	0.00	22.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	64.60	2.45
	Onions	101.15	62.05	0.00	136.00	0.00	0.00	0.00	29.75	0.00	0.00	0.00	328.95	7.47
	Pumpkins	16.15	24.65	0.00	51.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	91.80	2.40
	Butternuts	84	117	0	484	0	230	0	0	0	0	0	915	44
	Cabbage	499	600	0	1018	0	447	0	298	0	264	0	3125	60
Total expected production tonnage per crop per month	Gem Squash	39	54	0	54	0	0	0	0	0	0	0	146	6
	Onions	435	416	128	314	0	807	0	0	0	0	0	2100	49
	Potatoes	425	425	0	2271	0	268	0	119	0	0	0	3508	102
	Pumpkins	43	52	0	177	0	87	0	85	0	0	0	444	13
	Garlic	44.9	0	0	14.1	0	4.4	0	0	0	0	0	63.4	8.84

Source: NAB, 2022

3. AVAILABILITY OF THE EXPECTED CROPS PER PRODUCERS

Table 3A Demonstrate the monthly availability for the **special controlled crops** per area, per producer and per specific month. Traders are encouraged to use this calendar to plan and make local purchase arrangement with producers listed herein and eventually comply with 47% minimum MSP requirement.















































































































































































































































































































































































































































































































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 November 2022 to 31 March 2023 Last updated: 19 October 2022																																			
Contact Person	Target Market			01-15 Nov 2022					16-30 Nov 2022					Dec-22					Jan-23					Feb-23					Mar-23						
	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	Alex Lisao	√	√																																
2	Benedict Musialike	√	√																																
3	Bertha Maswahu	√	√																																
4	Charity Mulemwa Goaises	√	√																																
5	Clement Mulyokela	√	√																																
6	Conrade Lutombi	√	√																																
7	Davis Mushitu	√	√																																
8	Elma Simataa	√	√																																
9	Fabian Sisamu	√	√																																
10	George Sauriri	√	√																																
11	Hans Matiti Fwelimbi	√	√																																
12	Ilunga Mohongo Kennedy	√	√																																
13	Joseph Simataa	√	√																																
14	Joseph Simwanza	√	√																																
15	Lucious Chata	√	√																																
16	Mathew Mushabati	√	√																																
17	Nawa Sikanda	√	√																																
18	Ovens Walubita	√	√																																
19	Patrick Muketela	√	√																																
20	Raphael Kachana	√	√																																
21	Vincent Siliye	√	√																																
KAVANGO																																			
1	Agatha Muronga	√	√																																
2	Agnes Sikongo	√	√																																
3	Annastacia Fulai	√	√																																
4	Andrew Kashera	√	√																																
5	Andreas Kashekele	√	√																																
6	Asser Siranda Hayitewa	√	√																																

Table 3A continues.....

16	Jan Cronje	√	√																														
17	Jan Haneb	√	√																														
18	Jan Lusse	√	√																														
19	John Shaetonodi	√	√																														
20	Juliana Gericke	√	√																														
21	Liza van der Merwe	√	√																														
22	Ludie Kolver	√	√	√																													
23	Magano Kapia	√	√																														
24	Mark von Maltzahl	√	√																														
25	Mavuto Mwanza	√	√																														
26	Munyaradzi Murwira	√	√																														
27	Neil Jacobsz	√	√																														
28	Ndinelago Tshiguuo	√	√																														
29	Ndingana Mupetami	√	√																														
30	Ndelitungapo Ndaitwah	√	√																														

SOUTH AND ORANGE RIVER																																				
NAME OF PRODUCER		Local Informal	Local Formal	Export	01-15 Nov 2022						16-30 Nov 2022						Dec-22					Jan-23					Feb-23					Mar-23				
1	Alisa Nghikwena	✓	✓																																	
2	Anja Louw	✓	✓																																	
3	Burger J. Harmse	✓	✓																																	
4	Dirk de Beer / Hendrik Berg	✓	✓																																	
5	G.F. Janse van Rensburg	✓	✓																																	
6	Herman van Dyk	✓	✓																																	
7	Hentie van Dyk	✓	✓																																	
8	Jimmy E. O'Kennedy	✓	✓																																	
9	Johan Roux	✓	✓																																	
10	Jones Nghishimwe	✓	✓																																	
11	Rudi Kotze	✓	✓																																	
12	Ulrich Schneider	✓	✓																																	
13	Zirk Jansen	✓	✓																																	
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, Gero Hirsch, Hansie van der Merwe, Jan Keyser and Tommie Martinson in the Karst; Etienne Jooste and Ludie Kolver in Central while Frans Wentzel at Orange River area . All other producers supplies unwashed or brushed potatoes																																				

Source: NAB, 2022

Table 3B shows local availability of **Garlic** as **monitored controlled crop** per area, per producer. This table further shows that garlic is only expected to be available in Karst and Central areas. Traders are advised to contact producers listed in table 3B below for orders.

Table 3B: THE FIVE MONTHS EXPECTED AVAILABILITY OF THE GARLIC AS MONITORED CROP						
KEY: GARLIC =						
PERIOD: 01 November 2022 to 31 March 2023				Last updated: 19 October 2022		
NAME OF PRODUCER	01-15 Nov 22	16-30 Nov 22	Dec-22	Jan-23	Feb-23	Mar-23
Karst Area						
1 Ulf Jarisch						
2 Juliana Gericke						
3 Ndinelago Tshiguuo						
Central Area						
1 Chrisman Stander						
2 Corne Kuhn						
3 Gerhard Truter						
4 Helen Andreas						
5 Henk Peters						
6 Jaco Thomas						
7 Nadine Potgieter						
8 Steven Fraser						
9 Wessel Otto						

Source: NAB, 2022

4. EXPECTED PRODUCTION VS DEMAND ANALYSIS

4.1 TABULATION ANALYSIS

Table 4 below revealed the special controlled products in surplus and shortage for the forecasted period. The total tonnage expected for butternuts, onions, potatoes and pumpkins will be insufficient to satisfy the domestic market during November special permit period, whereas, cabbage and gem squash are expected to be sufficient during the same month.

Table 4: ANALYSIS OF THE EXPECTED TONNAGE FOR DOMESTIC MARKET VERSUS AVERAGE DOMESTIC DEMAND								
Numbers in this table represents tonnage					Last updated: 19 October 2022			
Special Controlled Crops	Expected Surplus or Shortage	01-15 Nov 2022	16-30 Nov 2022	Dec-22	Jan-23	Feb-23	Mar-23	Total
Butternuts	Expected for domestic market	84	117	484	230	0	0	915
	Average domestic demand	135	135	271	271	271	271	1353
	Surplus / shortage	-51	-18	213	-41	-271	-271	-438
Cabbage	Expected for domestic market	499	600	1018	447	298	264	3125
	Average domestic demand	213	213	426	426	426	426	2131
	Surplus / shortage	286	387	592	21	-129	-163	995
Gem Squash	Expected for domestic market	39	54	54	0	0	0	146
	Average domestic demand	16	16	33	33	33	33	163
	Surplus / shortage	23	37	21	-33	-33	-33	-17
Onions	Expected for domestic market	435	416	314	807	0	0	1973
	Average domestic demand	438	438	876	876	876	876	4378
	Surplus / shortage	-3	-22	-562	-68	-876	-876	-2405
Potatoes	Expected for domestic market	425	425	2271	268	119	0	3508
	Average domestic demand	1,890	1890	3779	3779	3779	3779	18897
	Surplus / shortage	-1465	-1465	-1508	-3512	-3660	-3779	-15389
Pumpkins	Expected for domestic market	43	52	177	87	85	0	444
	Average domestic demand	45	45	89	89	89	89	445
	Surplus / shortage	-1	8	88	-2	-4	-89	-1

Source: NAB, 2022

4.2 GRAPHICAL ANALYSIS

Graphical analysis shows the domestic production tonnage expected for the local and export markets in comparison to average domestic demand. **Figure 1, 4, 5 and 6** shows that butternuts, onions, potatoes and Pumpkins will be insufficient to meet the local demand in November. **Figure 2 and 3** below shows that the projected production tonnage for cabbage and gem squash are expected to meet the average domestic demand for November month. It is further revealed that, only **onions** will be exported during November month among the crops contained in this report.



Figure 1: Butternuts production tonnage expected for local and export markets, versus average domestic demand for the period - 01 November 2022 to 31 March 2023 (Subjected to monthly changes)

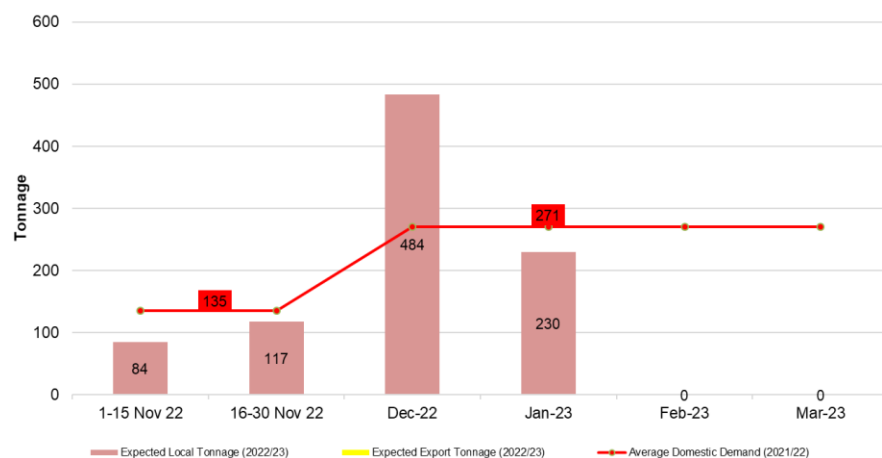


Figure 2: Cabbage production tonnage expected for local and export markets, versus average domestic demand for the period - 01 November 2022 to 31 March 2023 (Subjected to monthly changes)

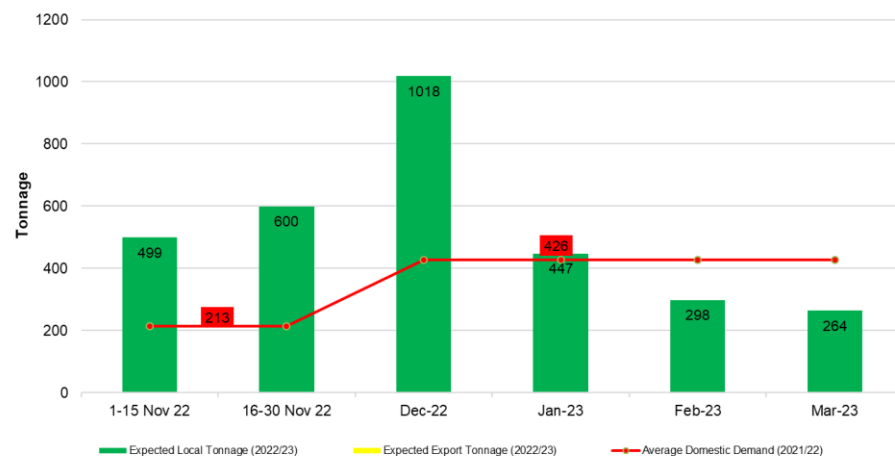


Figure 3: Gem Squash production tonnage expected for local and export markets, versus average domestic demand for the period - 01 November 2022 to 31 March 2023 (Subjected to monthly changes)

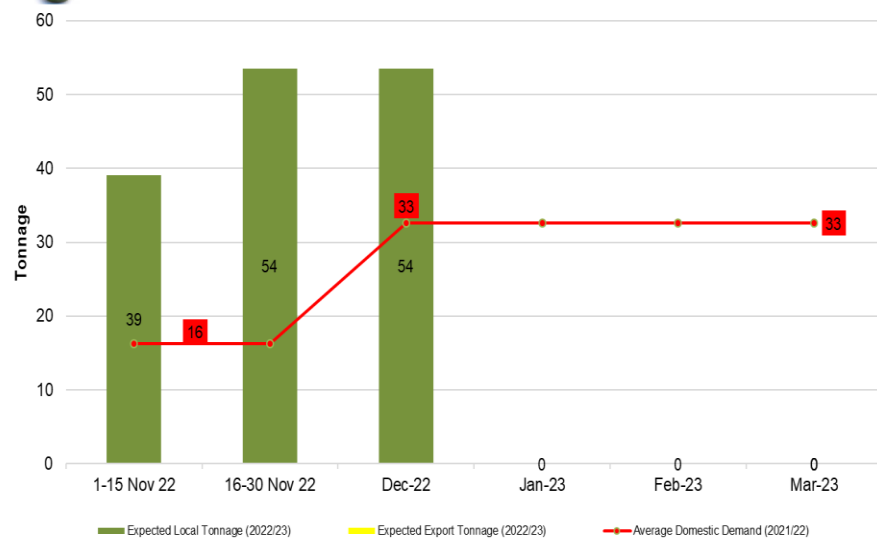
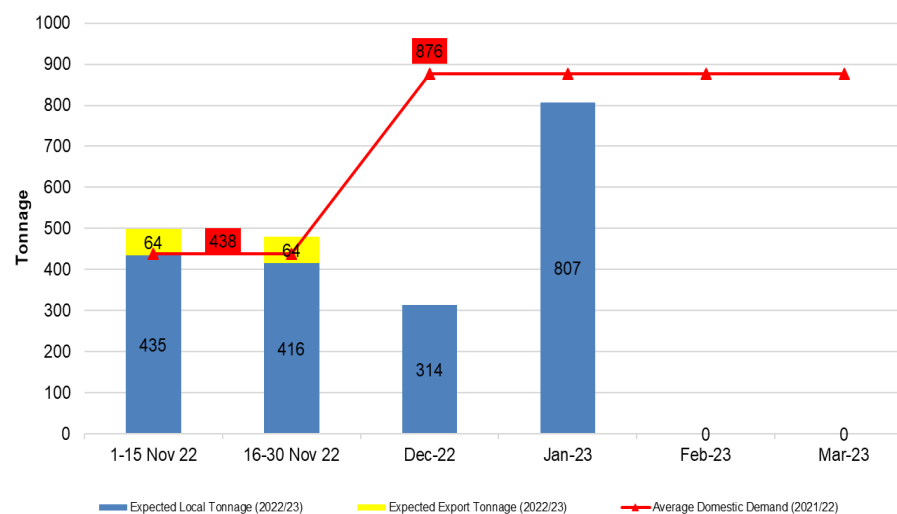


Figure 4: Onions production tonnage expected for the local and export markets, versus average domestic demand for the period - 01 November 2022 to 31 March 2023 (subjected to monthly changes)



Graphical analysis figures continue...



Figure 5: Potatoes production tonnage expected for local and export markets, versus average domestic demand for the period: 01 November 2022 to 31 March 2023 (Subjected to monthly changes)

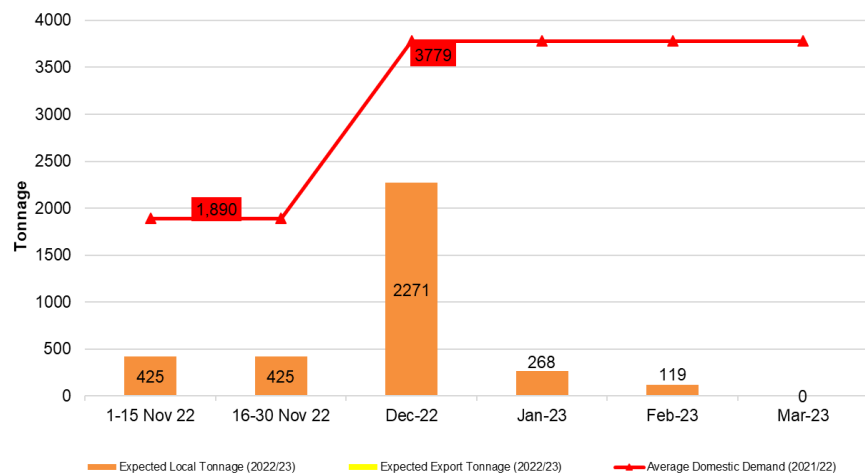
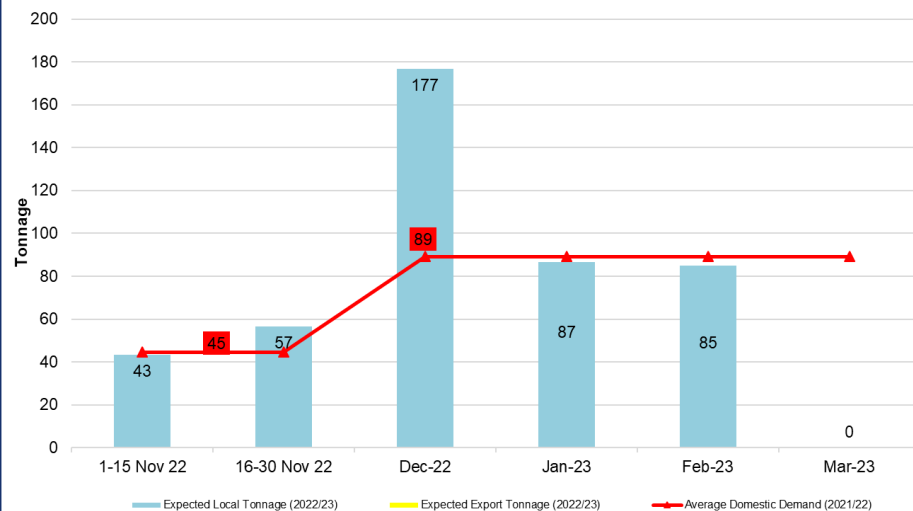


Figure 6: Pumpkins production tonnage expected for local and export markets, versus average domestic demand for the period - 01 November 2022 to 31 March 2023 (Subjected to monthly changes)

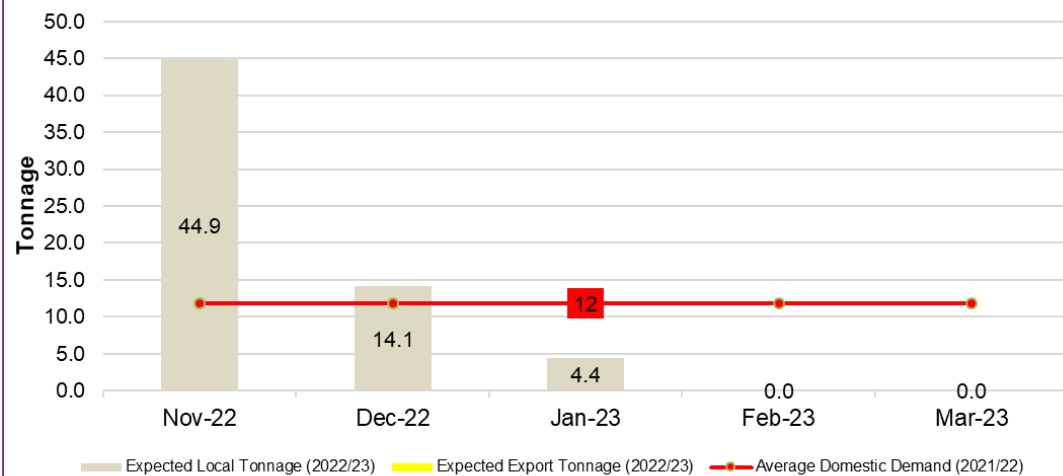


Source: NAB, 2022

Figure A below shows that, the projected tonnage for garlic (monitored crop) is expected to be sufficient from November to December 2022.



Figure A: Garlic production forecasted expected for local market for the period - 01 November 2022 to 31 March 2023 (Subjected to monthly changes)



Source: NAB, 2022

5. CONCLUSIONS AND RECOMMENDATIONS

The report concludes that, there will be **sufficient local supply** of **cabbage and gem squash** in November 2022. It is therefore recommended that the **borders be closed** to restrict the importation of these two (2) crops during the special permit period of **01-30 November 2022**.

The report further concluded that **butternuts and potatoes** will not meet the average domestic demand in November 2022. Hence, borders shall be **open** to allow traders to import these two (2) crops during the special permit period of **01-30 November 2022**. Although the two crops are open without restriction, it should be noted that, **47% MSP** rules shall apply at all times. Slight shortage will be expected for **onions and pumpkins** in November thus, the borders will be **open on pro-rata basis of 50% imports and 50% local for both SCP (onions and pumpkins)** during the same period. **NAB** encourages traders to continue supporting local products available for markets and only import when deemed necessary.

The report also revealed that local production of **garlic** is expected to be sufficient during November to December 2022. However, Garlic is still a monitored crop hence open / close border does not apply. It is crucial to note that close/open borders does not apply to monitored crops such as garlic until such time this product is added to the SCP scheme.

Conclusively, traders are advised to contact registered local producers expected to harvest special controlled products as listed in the **availability calendar (table 3)** in this report, and make local purchase arrangements. On the other hand, producers are 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. This is to ensure NAB is proactive in the implementation of close and open borders period.

=====*Please continue reading report 2 & 3 for the remaining Special Controlled Products*=====



Colour Pepper



Tomato Round



Tomato Jam



Carrot



Green Pepper



Spinach



Sweetcorn



NAMIBIAN
AGRONOMIC BOARD

HORTICULTURE: VEGETABLES PRODUCTION FORECAST

REPORT NO.2

FORECASTED PERIOD:

01 NOVEMBER 2022 TO 31 MARCH 2023

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

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**. Please see the list of exclusion and inclusion below (table 1).

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".	Orange Pepper and 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.
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.
6.Spinach	All types, grades, size groups and container size of fresh, chilled, Whole or Cut Spinach except the "Exclusions".	Baby Spinach, coloured spinach and all frozen and processed Spinach such as dried, cooked and preserved spinach.

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 the production forecasted per area planted for Tomato Round & Jam, Carrot, Green peppers, Colored peppers, spinach and sweetcorn. Tomatoes round, Tomatoes Jam and Carrots are the top commodities expected to be harvested in a large quantity during the forecasted period. Please find detailed information regarding the expected production, per crop per production zone shown in Table 2 below.

Table 2: EXPECTED PRODUCTION OF SPECIAL CONTROLLED PRODUCTS PER CROP PER AREA															
PRODUCTION AREA	CROP	Numbers in the table below represents tonnage												Totals	
		01-15 Nov 22		16-30 Nov 22		Dec-22		Jan-23		Feb-23		Mar-23		Expected tonnage	Hectares planted
		Local	Export	Local	Export	Local	Export	Local	Export	Local	Export	Local	Export		
ZAMBEZI	Tomato Round	7.9	0.0	8.8	0.0	14.1	0.0	10.0	0.0	1.8	0.0	0.0	0.0	42.5	2.0
	Tomato Jam	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
	Carrot	0.4	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.1
	Green Pepper	0.3	0.0	0.3	0.0	0.6	0.0	0.6	0.0	0.0	0.0	0.0	0.0	1.8	0.1
	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	0.2	0.0	0.2	0.0	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.8	0.2
	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	14.4	0.0	14.4	0.0	7.5	0.0	6.5	0.0	6.5	0.0	0.0	0.0	49.2	2.1
	Tomato Jam	13.4	0.0	16.7	0.0	12.9	0.0	8.8	0.0	3.5	0.0	0.0	0.0	55.2	2.0
	Carrot	2.6	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.2
	Green Pepper	1.2	0.0	1.7	0.0	5.6	0.0	5.4	0.0	3.9	0.0	1.4	0.0	19.2	1.2
	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	0.2	0.0	0.2	0.0	0.5	0.0	0.5	0.0	0.0	0.0	0.0	0.0	1.4	0.1
	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	3.0	0.0	1.5	0.0	0.0	0.0	4.5	0.2
	Tomato Jam	57.7	0.0	63.7	0.0	81.6	0.0	34.7	0.0	4.8	0.0	0.0	0.0	242.4	9.6
	Carrot	0.7	0.0	4.3	0.0	6.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0	20.0	0.9
	Green Pepper	6.8	0.0	6.8	0.0	13.7	0.0	10.4	0.0	9.8	0.0	4.8	0.0	52.3	2.9
	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	4.8	0.0	4.8	0.0	9.6	0.0	9.5	0.0	9.5	0.0	9.5	0.0	47.6	3.6
	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

Table 2 continued...

KARST	Tomato Round	41.3	0.0	29.3	0.0	58.5	0.0	48.0	0.0	0.0	0.0	0.0	0.0	177.0	6.6
	Tomato Jam	33.4	0.0	45.4	0.0	114.2	0.0	112.9	0.0	31.8	0.0	15.0	0.0	352.6	9.8
	Carrot	152.5	0.0	183.5	0.0	235.0	0.0	130.0	0.0	50.0	0.0	50.0	0.0	801.0	22.4
	Green Pepper	4.1	0.0	8.1	0.0	23.6	0.0	17.9	0.0	16.7	0.0	13.6	0.0	84.0	4.3
	Coloured Pepper	0.0	0.0	1.7	0.0	3.3	0.0	3.3	0.0	3.3	0.0	3.3	0.0	14.9	0.5
	Spinach	1.5	0.0	1.5	0.0	3.1	0.0	2.8	0.0	2.8	0.0	2.7	0.0	14.4	1.0
	Sweetcorn	1.3	0.0	1.3	0.0	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.4	0.7
CENTRAL	Tomato Round	24.9	0.0	31.2	0.0	81.5	0.0	66.3	0.0	51.1	0.0	50.7	0.0	305.8	8.6
	Tomato Jam	2.3	0.0	2.3	0.0	14.4	0.0	39.3	0.0	48.7	0.0	20.9	0.0	127.8	3.1
	Carrot	17.5	0.0	20.5	0.0	35.0	0.0	35.0	0.0	35.0	0.0	35.0	0.0	178.0	5.1
	Green Pepper	7.5	0.0	8.3	0.0	29.9	0.0	32.7	0.0	32.7	0.0	30.8	0.0	141.8	6.1
	Coloured Pepper	19.9	6.5	19.9	6.5	39.4	13.0	33.0	13.0	0.0	0.0	0.0	0.0	112.2	4.5
	Spinach	3.1	0.0	3.1	0.0	5.2	0.0	0.5	0.0	0.0	0.0	0.0	0.0	11.9	1.7
	Sweetcorn	7.0	0.0	7.0	0.0	31.0	0.0	14.0	0.0	14.0	0.0	14.0	0.0	87.0	12.5
SOUTH AND ORANGE RIVER	Tomato Round	307.5	60.0	308.6	60.0	139.4	0.0	139.4	0.0	139.4	0.0	139.4	0.0	1173.8	41.8
	Tomato Jam	5.4	0.0	5.4	0.0	14.3	0.0	3.5	0.0	3.5	0.0	3.5	0.0	35.5	1.2
	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	0.5	0.0	6.3	0.0	16.3	0.0	16.3	0.0	16.3	0.0	16.3	0.0	72.1	2.5
	Coloured Pepper	0.5	0.0	0.5	0.0	1.0	0.0	1.0	0.0	1.0	0.0	1.0	0.0	5.0	0.2
	Spinach	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
	Sweetcorn	5.1	0.0	8.6	0.0	14.0	0.0	14.0	0.0	13.7	0.0	10.2	0.0	65.5	10.5
Total expected per crop per month	Tomato Round	395.9	60.0	392.3	60.0	301.0	0.0	273.2	0.0	200.3	0.0	190.1	0.0	1752.8	61.3
	Tomato Jam	112.1	0.0	133.5	0.0	237.3	0.0	199.1	0.0	92.2	0.0	39.4	0.0	813.6	25.7
	Carrot	173.7	0.0	209.1	0.0	276.0	0.0	174.0	0.0	85.0	0.0	85.0	0.0	1002.8	28.6
	Green Pepper	20.5	0.0	31.5	0.0	89.7	0.0	83.3	0.0	79.3	0.0	66.9	0.0	371.1	17.1
	Coloured Pepper	20.4	6.5	22.1	6.5	43.7	13.0	37.3	13.0	4.3	0.0	4.3	0.0	132.1	5.2
	Spinach	9.9	0.0	9.9	0.0	18.5	0.0	13.4	0.0	12.3	0.0	12.1	2.0	76.2	6.6
	Sweetcorn	13.4	0.0	16.9	0.0	48.9	0.0	28.0	0.0	27.7	0.0	24.2	0.0	158.9	23.70

Source: NAB,2022

3. EXPECTED AVAILABILITY

Table 3, indicates active producers that expect to harvest the special controlled products 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 Nov 2022							16 to 30 Nov 2022							Dec-22							Jan-23							Feb-22							Mar-23						
				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	Agness Nkungano Matongo	✓																																											
2	Alex Lisao	✓																																											
3	Bernard Sitali	✓																																											
4	Cavin Sikalumbu Mufwanzala	✓																																											
5	Charity Mulemwa Goaises	✓																																											
6	Chrispin Kamwi	✓																																											
7	Clement Mulyokela	✓																																											
8	Conrade Lutombi	✓																																											
9	Eustace Lyuma	✓																																											
10	Eustance Mujohn	✓																																											
11	Fernando Baptista	✓																																											
12	Hans Matiti Fwelimbi	✓																																											
13	Imran Vade	✓																																											
14	Joseph Simataa	✓																																											
15	Joseph Simwanza	✓																																											
16	Kelvin Mufalali	✓																																											
17	Kenneth Siamiku Sitali	✓																																											
18	Lucious Tuyuve	✓																																											
19	Lydia Ntelamo	✓																																											
20	Micheal Mwiya Kalaluka	✓																																											
21	Nanvula Lilungwe	✓																																											
22	Nawa Sikanda	✓																																											
23	Ntelamo Ibalelo	✓																																											
24	Ovens Walubita	✓																																											
25	Peggy Mufalali	✓																																											
26	Precious Mufwanzala	✓																																											
27	Raphael Simataa	✓																																											
28	Regina Mayumbelo	✓																																											
29	Cletius Mutenda	✓																																											
30	Rosco Misika Lukubwe	✓																																											
31	Shylock Sinvula	✓																																											
32	Sinvula J Matengu	✓																																											

Table 3 continued...

KAVANGO AREA																																
			01 to 15 Nov 2022					16 to 30 Nov 2022					Dec-22					Jan-23					Feb-22					Mar-23				
1	Asser Siranda Hayitewa	✓																														
2	Bernhard Kudumo	✓																														
3	Andrew Kashera	✓																														
4	Dexter Kasale	✓																														
5	Felismina Kaumba	✓																														
6	Henrick Locke	✓																														
7	Johanna Salomo	✓																														
8	Jonathan Mukwangu	✓																														
9	Kasiku Ihemba	✓																														
10	Laurentia Nkandanga	✓																														
11	Maria Augusto	✓																														
12	Ngombe Regina	✓																														
13	Pauline Ndumba	✓																														
14	Pius Kapikara	✓																														
15	Raphael Kampanze	✓																														
16	Reino Siwoko	✓																														
17	Manfred Thikusho	✓																														
18	Tario Motsi	✓																														
19	Wilhelm Nduqula	✓																														
NORTH CENTRAL AREA																																
			01 to 15 Nov 2022					16 to 30 Nov 2022					Dec-22					Jan-23					Feb-22					Mar-23				
1	Abisai A Amashili	✓																														
2	Andreas Ashimbanga	✓																														
3	Aurelia Shikesho	✓																														
4	Innocens Kalola	✓																														
5	Elifas Nuuyoma	✓																														
6	Asser Moses																															
7	Emily Naunyango	✓																														
8	Aron Hangula	✓																														
9	Eugen Eugene	✓																														
10	Hendrick Haufiku	✓																														
11	Moses Shilunga	✓																														
12	Johannes Naindjala	✓																														
13	Lichaha Webster	✓																														
14	Lonia Ismael	✓																														
15	Ndasilohenda Nakashwa	✓																														
16	Paulus Amutenya	✓																														
17	Paulus Kapia	✓																														
18	Pupyenaye Tjavanga	✓																														
19	Salome Haitembu	✓																														
20	Shetuuka Shetuuka	✓																														
21	Thomas Marco Kalunduka	✓																														
22	Veijo Sheetekela	✓																														
23	Michael Mwetuhangapo Endj	✓																														
24	Patrisiu Ndidalelwa	✓																														

Table 3 continued...

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, Green Pepper, Sweetcorn and Spinach, are expected to be Sufficient in the entire permit period of 01 to 30 November 2022. While Carrot and Colour Peppers will be insufficient in this permit period, of 01 to 30 November 2022.

Table 4A: EXPECTED PRODUCTION VERSUS DOMESTIC DEMAND ANALYSIS FOR SPECIAL CONTROLLED PRODUCTS								
		Numbers in this table represents Tonnage						
Crop	Expected Shortage or Surplus	01-15 Nov 22	16-30 Nov 22	Dec-22	Jan-22	Feb-23	Mar-23	TOTAL
Tomato Round	Expected for Domestic Market	395.9	392.3	301.0	273.2	200.3	190.1	1752.8
	Average Domestic Demand	198.5	198.5	397.1	397.1	397.1	397.1	1985.5
	Surplus /Shortage	197.4	193.7	-96.1	-123.9	-196.8	-207.0	-232.7
Tomato Jam	Expected for Domestic Market	112.1	133.5	237.3	199.1	92.2	39.4	813.6
	Average Domestic Demand	2.2	2.2	4.4	4.4	4.4	4.4	22.1
	Surplus /Shortage	109.9	131.2	232.9	194.7	87.8	34.9	791.4
Carrot	Expected for Domestic Market	173.7	209.1	276.0	174.0	85.0	85.0	1002.8
	Average Domestic Demand	271.3	271.3	542.7	542.7	542.7	542.7	2713.3
	Surplus /Shortage	-97.6	-62.2	-266.7	-368.7	-457.7	-457.7	-1710.5
Green Pepper	Expected for Domestic Market	20.5	31.5	89.7	83.3	79.3	66.9	371.1
	Average Domestic Demand	17.5	17.5	35.0	35.0	35.0	35.0	175.1
	Surplus /Shortage	3.0	14.0	54.7	48.3	44.3	31.9	196.0
Colour Pepper	Expected for Domestic Market	20.4	22.1	43.7	37.3	4.3	4.3	132.1
	Average Domestic Demand	43.0	43.0	86.0	86.0	86.0	86.0	429.8
	Surplus /Shortage	-22.6	-20.9	-42.2	-48.7	-81.7	-81.7	-297.7
Sweetcorn	Expected for Domestic Market	13.4	16.9	48.9	28.0	27.7	24.2	158.9
	Average Domestic Demand	13.3	13.3	26.7	26.7	26.7	26.7	133.3
	Surplus /Shortage	0.0	3.5	22.2	1.3	1.0	-2.5	25.6
Spinach	Expected for Domestic Market	9.9	9.9	18.5	13.4	12.3	12.1	76.2
	Average Domestic Demand	9.9	9.9	19.8	19.8	19.8	19.8	99.2
	Surplus /Shortage	0.0	0.0	-1.3	-6.4	-7.5	-7.7	-23.0

Source: NAB,2022

4.2 GRAPHICAL ANALYSIS

Figures 1- 7: Below indicates the expected local tonnage, average domestic demand and export analysis per crop, for the forecasted period of **01 November 2022 to 01 March 2023**.

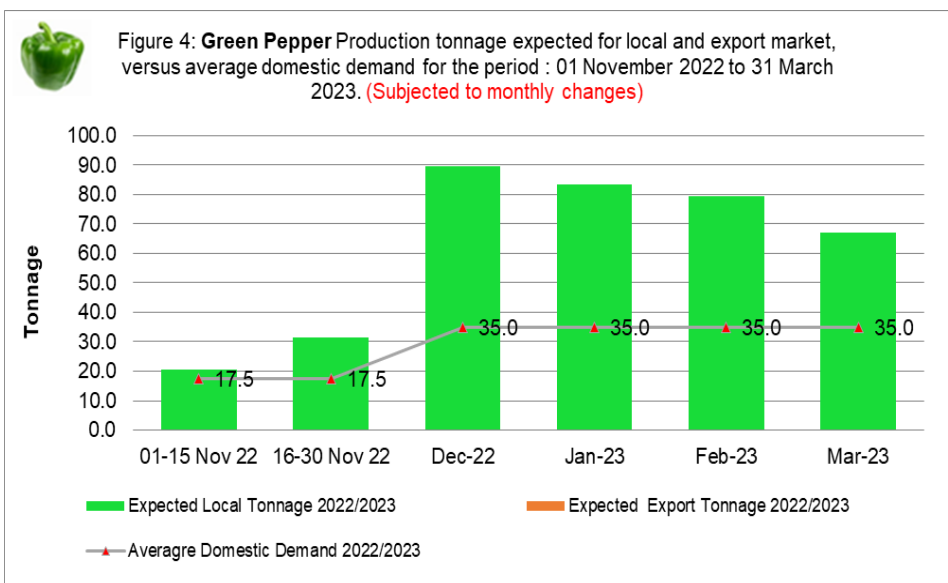
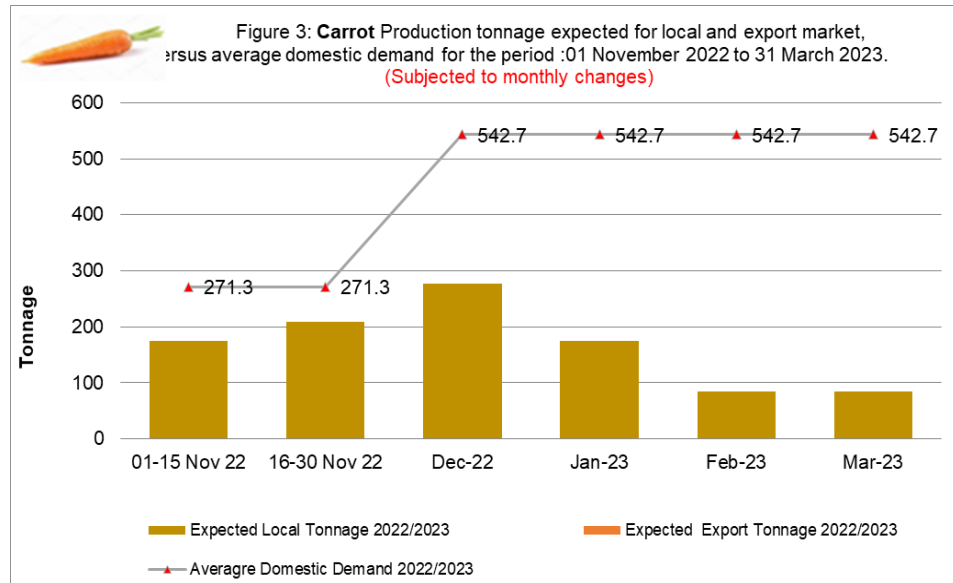
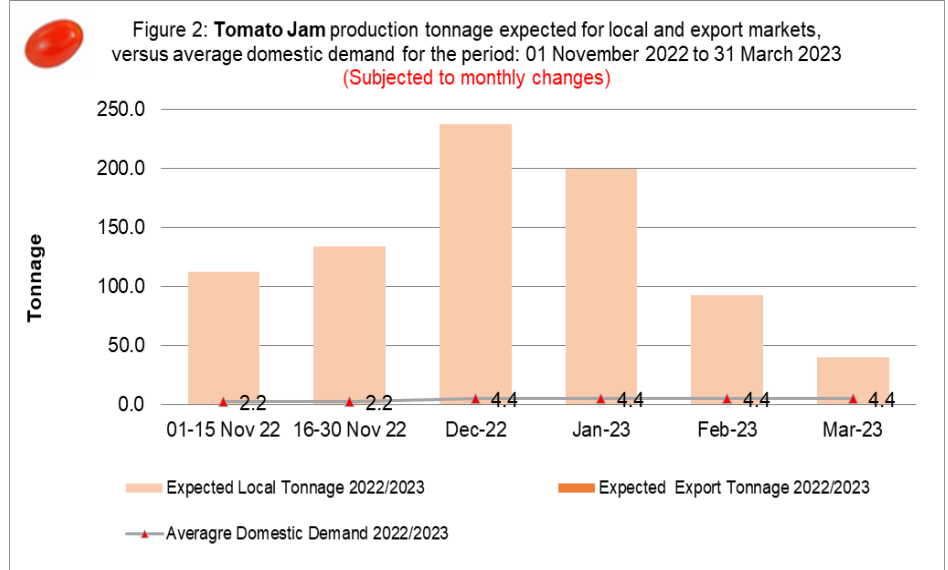
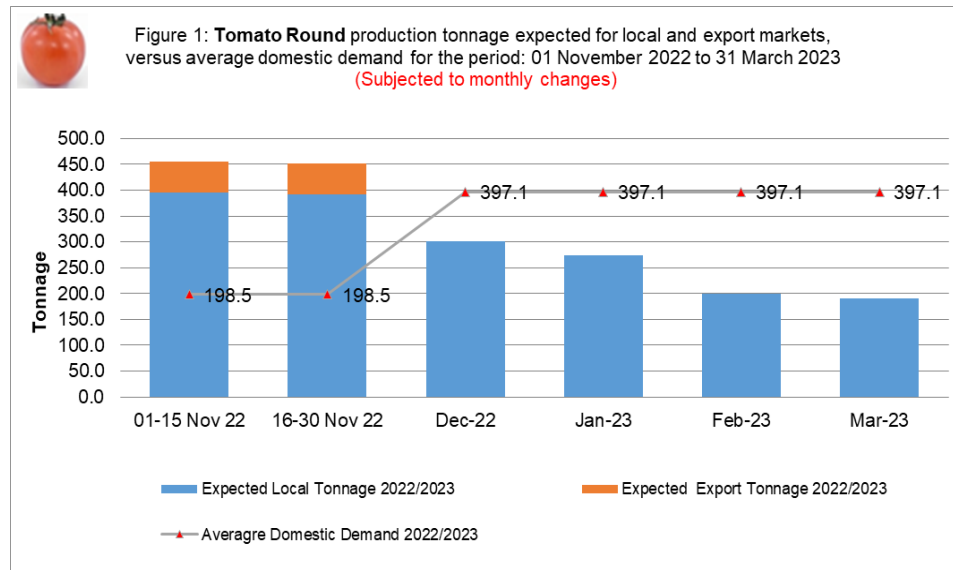




Figure 5: **Sweetcorn** Production tonnage expected for local and export market, versus average domestic demand for the period: 01 November 2022 to 31 March 2023. (Subjected to monthly changes)

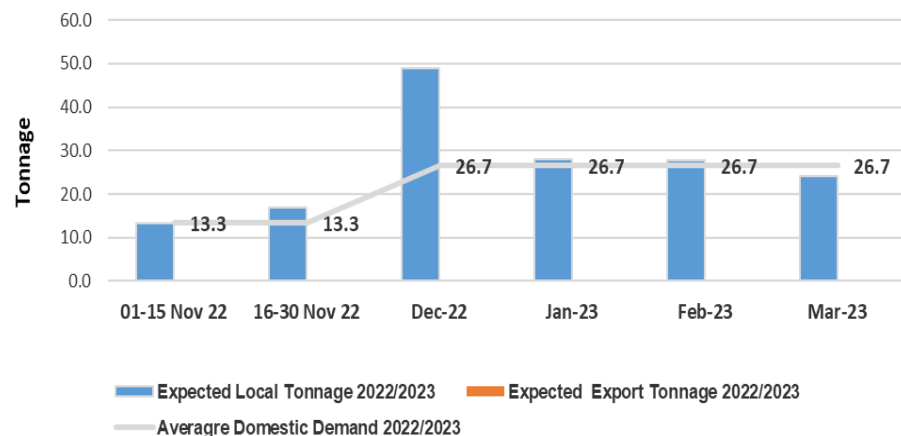


Figure 6: **Colour Pepper** Production tonnage expected for local and export market, versus average domestic demand for the period : 01 November 2022 to 31 March 2023. (Subjected to monthly changes)

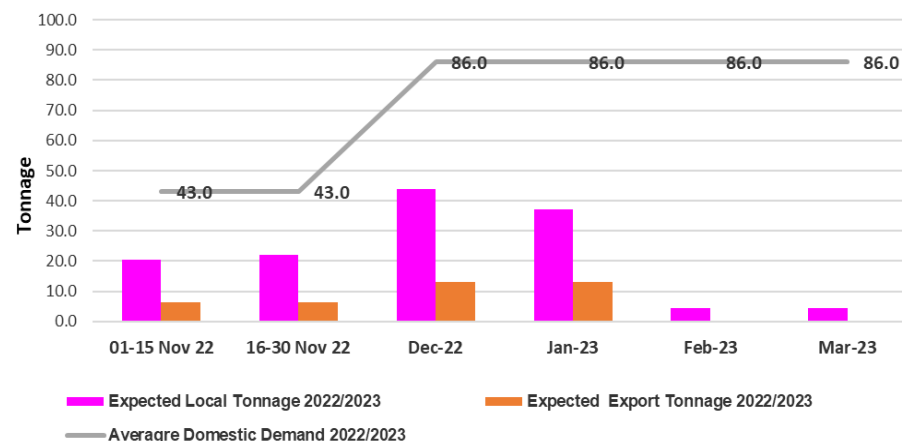
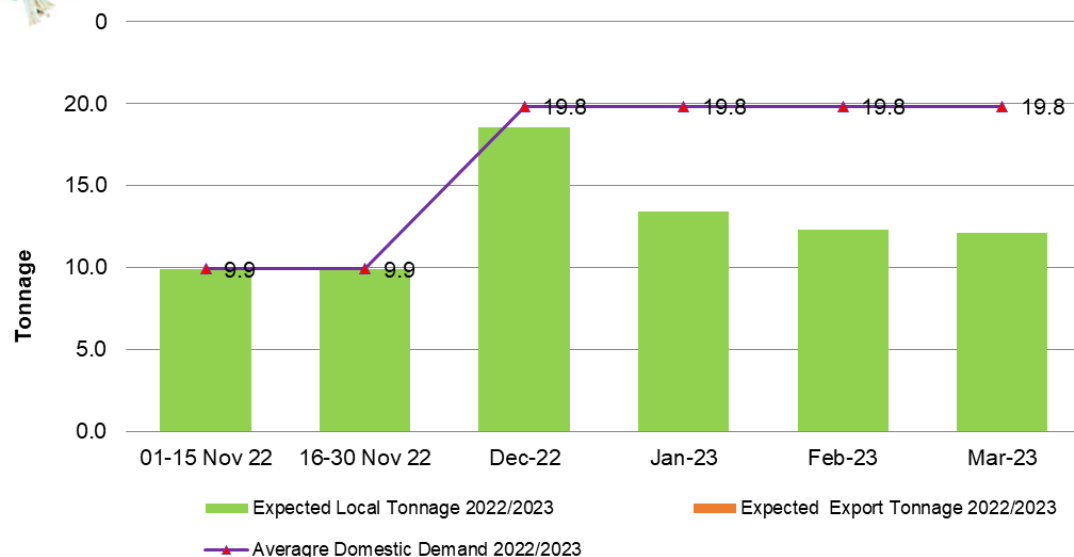


Figure 7 : **Spinach** Production tonnage expected for local and export market, versus average domestic demand for the period : 01 November 2022 to 31 March 2023. (Subjected to monthly changes)



Source: NAB, 2022

5. CONCLUSIONS AND RECOMMENDATIONS

This report indicates sufficient supply of Tomato Round, Tomato Jam, Sweetcorn, Green Pepper and Spinach for the entire special permit period of 01 to 30 November 2022. It is therefore recommended that the above-mentioned products be closed for importation during this permit period.

The report further shows insufficient supply of Carrot and Colour Pepper during the special permit period 01 to 30 November 2022. It is therefore recommended that border is open for importation on prorata as follows: **Carrot (40% imports:60% local)**, and **Colour Pepper (50% imports:50% local)** respectively. It must however be noted that, although we have sufficient volume of round Tomatoes there are problems experienced with coloring and sizing due high temperatures, thus the border will open for loose round tomatoes until such time the situation normalizes.

In conclusion traders of fresh produce are encouraged to contact farmers and source local available products and import only when deemed necessary.

[illegible]



Beetroot



English Cucumber



Sweet Potato



Watermelon



Sweetmelon



Lettuce.



Cauliflower



Broccoli



Mushroom



HORTICULTURE: VEGETABLES PRODUCTION FORECAST

REPORT NO 3

FORECASTED PERIOD:

01 NOVEMBER 2022 TO 31 MARCH 2023

**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 (6) special controlled products i.e., **Beetroot, English Cucumber, Sweet Potato, Watermelon, Sweet melon and Lettuce** and three (3) monitored crops i.e., **Cauliflower, Broccoli and Mushroom**. Please see the list of inclusions and exclusions below (**table 1**) for the above outlined special controlled products.

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 Iceberg	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 the production tonnage expected to be harvested during the reporting period, watermelon took a lion share of the total area planted 98ha, followed by Sweet melon (19.86 ha) and sweet potatoes (19.02ha).

Table 1A: Monthly expected production per area, per crop for the period 01 Nov 2022 - 31 Mar 2023															
Numbers in the table below represents tonnage expected to harvested for local and export market														Last updated: 19 Oct 2022	
PRODUCTION AREAS	CROPS	1-15 Nov 22		16-30 Nov 22		Dec-22		Jan-23		Feb-23		Mar-23		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	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.38	0.08
	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	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.07	0.07
	Watermelon	47.2	0.0	22.3	0.0	53.2	0.0	11.5	0.0	5.0	0.0	0.0	0.0	139.14	11.99
	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 Iceberg	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	16.6	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	16.81	1.03
	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	16.0	0.0	7.9	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.86	3.20
	Watermelon	67.0	0.0	85.3	0.0	233.8	0.0	8.0	0.0	5.0	0.0	0.0	0.0	399.05	15.98
	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	1.06	0.09
	Lettuce Iceberg	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
NORTH CENTRAL	Beetroot	5.4	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.10	0.31
	English Cucumbers	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.20	0.01
	Sweet Potatoes	153.7	0.0	7.9	0.0	86.7	0.0	27.9	0.0	0.0	0.0	0.0	0.0	0.00	13.44
	Watermelon	180.6	0.0	57.1	0.0	196.9	0.0	7.0	0.0	0.0	0.0	0.0	0.0	441.60	11.13
	Sweetmelon	35.4	0.0	0.0	0.0	8.8	0.0	3.8	0.0	0.0	0.0	0.0	0.0	47.60	2.39
	Lettuce Iceberg	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	33.3	0.0	20.0	0.0	55.3	0.0	40.0	0.0	0.0	0.0	0.0	0.0	186.50	5.60
	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	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.20	0.01
	Watermelon	332.5	0.0	156.5	0.0	597.3	0.0	115.5	0.0	0.0	0.0	0.0	0.0	1201.81	14.31
	Sweetmelon	5.0	0.0	0.0	0.0	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.51	0.38
	Lettuce Iceberg	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	2.50

Table 1A. continues....

CENTRAL	Beetroot	8.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.00	1.40
	English Cucumbers	66.0	0.0	61.0	0.0	121.8	0.0	117.5	0.0	121.8	0.0	121.8	0.0	609.90	10.60
	Sweet Potatoes	15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.00	0.30
	Watermelon	60.0	0.0	120.0	0.0	156.0	0.0	21.6	0.0	0.0	0.0	0.0	0.0	357.60	3.72
	Sweetmelon	2.5	0.0	2.5	0.0	44.0	0.0	0.0	0.0	5.0	0.0	5.0	0.0	59.00	2.50
	Lettuce Iceberg	36.3	0.0	34.0	0.0	62.5	0.0	62.5	0.0	62.5	0.0	52.0	0.0	282.25	12.25
SOUTH AND ORANGE RIVER	Beetroot	100.0	0.0	40.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.00	2.00
	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	60.0	0.0	0.0	0.0	0.0	0.0	60.00	2.00
	Watermelon	618.5	0.0	678.5	0.0	1237.0	0.0	467.0	0.0	406.0	0.0	406.0	0.0	3813.00	41.20
	Sweetmelon	186.5	0.0	186.5	0.0	323.0	0.0	123.0	0.0	123.0	0.0	20.0	0.0	1056.00	14.50
	Lettuce Iceberg	10.0	0.0	10.0	0.0	10.0	0.0	10.0	0.0	10.0	0.0	5.0	0.0	55.00	1.10
Total expected production per crop per month	Beetroot	164.6	0.0	64.7	0.0	105.3	0.0	40.2	0.0	0.0	0.0	0.0	0.0	322.79	10.42
	English Cucumbers	66.0	0.0	61.0	0.0	122.0	0.0	117.5	0.0	121.8	0.0	121.8	0.0	610.10	10.61
	Sweet Potatoes	186.0	0.0	15.7	0.0	87.3	0.0	87.9	0.0	0.0	0.0	0.0	0.0	107.72	19.02
	Watermelon	1305.9	0.0	1119.6	0.0	2474.1	0.0	630.6	0.0	416.0	0.0	406.0	0.0	6352.20	98.33
	Sweetmelon	229.4	0.0	189.0	0.0	380.3	0.0	311.8	0.0	128.0	0.0	25.0	0.0	841.60	19.86
	Lettuce Iceberg	51.3	0.0	49.0	0.0	82.5	0.0	82.5	0.0	82.5	0.0	67.0	0.0	387.25	15.85

Source: NAB 2022

Table 1B: shows the expected tonnage for Mushroom, Cauliflower and Broccoli as monitored crops

Table 1B: Monthly expected production per area, per crop for the period 01 Oct 2022 - 28 Feb 2023													
Numbers in the table below represents tonnage expected to harvested for local and export market												Last updated: 19 Oct 2022	
PRODUCTION AREAS	CROPS	Nov-22		Dec-22		Jan-23		Feb-23		Mar-23		Total (for the 5 months period)	
		Local	Export	Local	Export	Local	Export	Local	Export	Local	Export	Yield	Ha to be harvested
NORTH CENTRAL	Cauliflower	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0	0.0	2.25	0.27
	Broccoli	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	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	0.00	0.00
		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	0.00	0.00
CENTRAL	Cauliflower	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	10.00	1.00
	Mushroom	14.5	0.0	11.5	0.0	16.0	0.0	18.0	0.0	16.0	0.0	73.00	1.00
		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	0.00	0.00
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
SOUTH AND ORANGE RIVER	Cauliflower	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.00	0.20
	Broccoli	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.50	1.30
	Mushroom	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	0.00	0.00
		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	0.00	0.00
Total expected production per crop per month	Cauliflower	5.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0	0.0	7.25	0.47
	Broccoli	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.50	2.30
	Mushroom	14.5	0.0	11.5	0.0	16.0	0.0	18.0	0.0	16.0	0.0	73.00	1.00
		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	0.00	0.00
		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 2022

3. EXPECTEDCTED AVAILABILITY PER PRODUCER

Table 2A below shows the expected monthly availability for the 6 special controlled crops contained in this report for different production zones.

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Table 2A continues.....

[illegible]

NORTH CENTRAL AREA

[illegible]

Table 2A continues.....















































KARSTLAND AREA																																		
NAME OF A PRODUCER		Local Informal	Local Formal	Export	1-15 Nov-2022					16-30 Nov-2022					Dec-22					Jan-23					Feb-23					Mar-23				
1	Benjameni Kaindimba	√	√																															
2	CJJ van der Merwe	√	√																															
3	David Shifotoka	√	√																															
4	Elizabeth Nekundi	√	√																															
5	Ellenora Muranda	√	√																															
6	Fanuael Uugwanga	√	√																															
7	Francois Robbertse	√	√																															
8	Gerhard Sachse	√	√																															
9	Gregory Gronewald	√	√																															
10	Hannes Arrangies	√	√																															
11	Hilma Jacob	√	√																															
12	Jan Cronje	√	√																															
13	Jan Lusse	√	√																															
14	Jane Haneb	√	√																															
15	John Shaetonhodi	√	√																															
16	Juliana Gericke	√	√																															
17	Liza van Der Merwe	√	√																															
18	Mavuto Mwanza	√	√																															
19	Munyaradzi Murwira	√	√																															
20	Ndinelago Tshiguo	√	√																															
21	Neil Jacobs	√	√																															
22	Pendafule Helao	√	√																															
23	Peter Kawana	√	√																															
24	Tiaa De Lange	√	√																															
25	Wedeinge Shifotoka	√	√																															

Table 2A continues.....

























































































































CENTRAL AREA																																				
NAME OF A PRODUCER		Local Informal	Local Formal	Export	1-15 Nov-22				16-30 Nov-2022				Dec-22				Jan-23				Feb-23				Mar-23											
1	Anton/Liza Koekemor	√	√																																	
2	Deborah Walliser	√	√																																	
3	Ernst H Puturi	√	√																																	
4	Groenewaldt Hueston	√	√																																	
5	Grunnar Waldschmidt	√	√																																	
6	Hariet Swanepoel																																			
7	Henk Pieters	√	√																																	
8	Jaco Thomas	√	√																																	
9	Jaco van Westhuizen	√	√																																	
10	Jeanine Botes	√	√																																	
11	Johaness Meyer	√	√																																	
12	John Katjaita	√	√																																	
13	John Katjaita	√	√																																	
14	Lothar Kollimitz	√	√																																	
15	Marvin Uandara	√	√																																	
16	Naomi Izaacks	√	√																																	
17	Roy Mushwena	√	√																																	
18	Sem Nepando	√	√																																	
19	Stiaan Cleote	√	√																																	
SOUTH AND ORANGE RIVER AREAS																																				
NAME OF PRODUCER		Local Informal	Local Formal	Export	1-15 Nov-22				16-30 Nov-22				Dec-22				Jan-23				Feb-23				Mar-23											
1	Anja Louw	√	√																																	
2	Elamerie van Rensburg	√	√																																	
3	Francois van Rensburg	√	√																																	
4	Harmse Burger	√	√																																	
5	Hoekes van Niekerk	√	√																																	

Table 2A continues.....

[illegible]

Table 2B shows the availability of monitored crops: **mushroom, broccoli and cauliflower**.

Source: NAB 202

4. EXPECTED PRODUCTION AND DEMAND ANNALYSIS

4.1 TABULATION ANALYSIS OF DOMESTIC DEMAND

According to table 3A, there will be sufficient local supply of **English Cucumber, Beetroots, Watermelon, Sweet melon and Lettuce** during the forecasted period.

Table 3A: 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: 19 Oct 2022								
Crops	Expected Surplus or Shortage	1-15 Nov 22	16-30 Nov 22	Dec-22	Jan-23	Feb-23	Mar-23	Total
Beetroot	Expected Tonnage for domestic market	157	65	105	40	0	0	302
	Average Domestic Demand (2021)	40.0	40.0	80	80	80	80	360
	Surplus / shortage (Tonnage)	117	25	25	-40	-80	-80	-58
English Cucumber	Expected Tonnage for domestic market	66	61	122	118	122	122	549
	Average Domestic Demand (2021)	50	50	100	100	100	100	450
	Surplus / shortage (Tonnage)	16	11	22	18	22	22	99
Sweet Potato	Expected Tonnage for domestic market	186	16	87	88	0	0	6
	Average Domestic Demand (2021)	75	75	150	150	150	150	675
	Surplus / shortage (Tonnage)	111	-59	-63	-62	-150	-150	-669
Watermelon	Expected Tonnage for domestic market	1306	1120	2458	631	416	406	5217
	Average Domestic Demand (2021)	100	100	200	200	200	200	900
	Surplus / shortage (Tonnage)	1206	1020	2258	431	216	206	4317
Sweet melon	Expected Tonnage for domestic market	229	189	380	312	128	25	780
	Average Domestic Demand (2021)	40	40	80	80	80	80	360
	Surplus / shortage (Tonnage)	189	149	300	232	48	-55	420
Lettuce Iceberg	Expected Tonnage for domestic market	46	44	73	73	73	57	321
	Average Domestic Demand (2021)	35	35	75	75	75	75	335
	Surplus / shortage (Tonnage)	11	9	-3	-3	-3	-18	-14

Source: NAB 2022

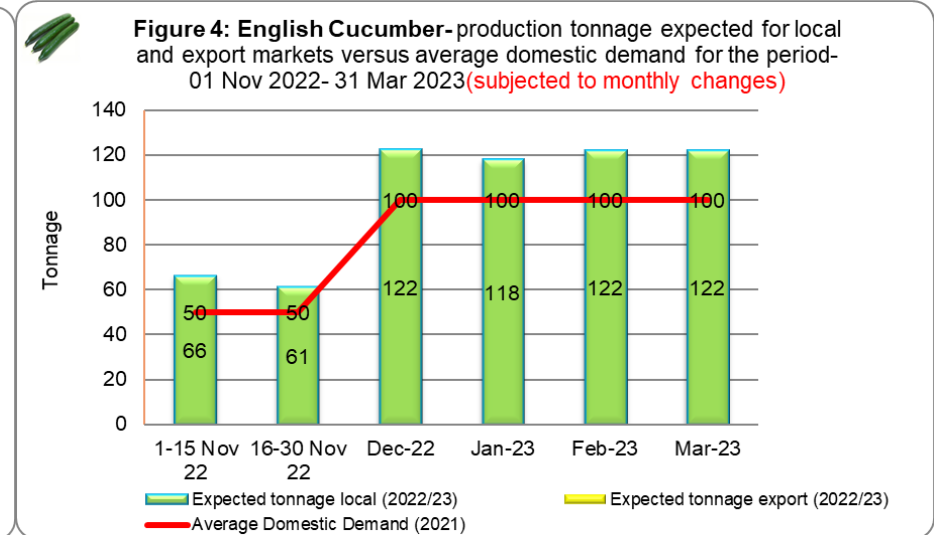
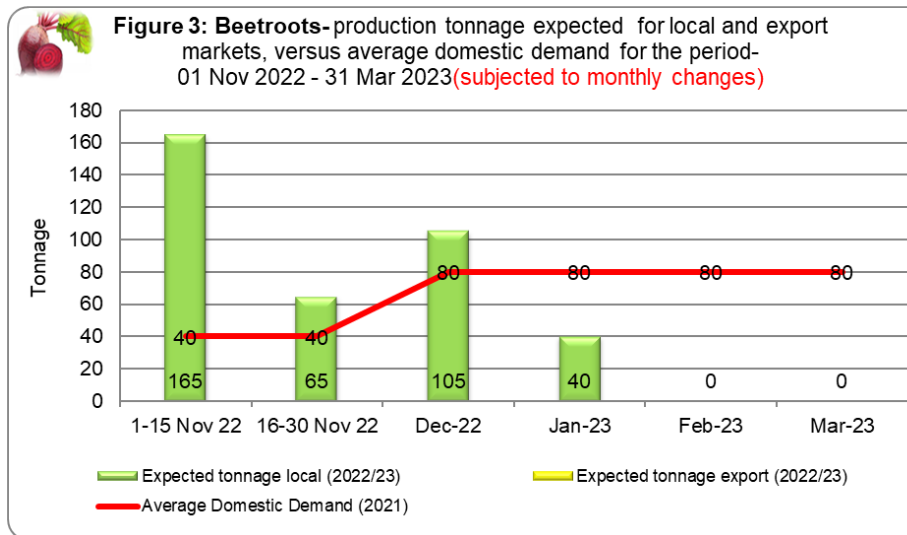
Table 3B indicate the total tonnage available for monitored crops: **Mushroom, Cauliflower and Broccoli.**

Table 3B: Analysis of the total expected tonnage for domestic market versus domestic demand.							
Crops	Expected Surplus or Shortage	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Total
Cauliflower	Expected Tonnage for domestic market	5	0	2	0	0	7
	Average Domestic Demand (2021)	25	25	25	25	25	125
	Surplus / shortage (Tonnage)	-20	-25	-23	-25	-25	-118
Broccoli	Expected Tonnage for domestic market	13	0	0	0	0	13
	Average Domestic Demand (2021)	20	20	20	20	20	100
	Surplus / shortage (Tonnage)	-8	-20	-20	-20	-20	-88
Mushroom	Expected Tonnage for domestic market	15	12	16	18	16	76
	Average Domestic Demand (2021)	15	15	15	15	15	75
	Surplus / shortage (Tonnage)	-1	-4	1	3	1	1

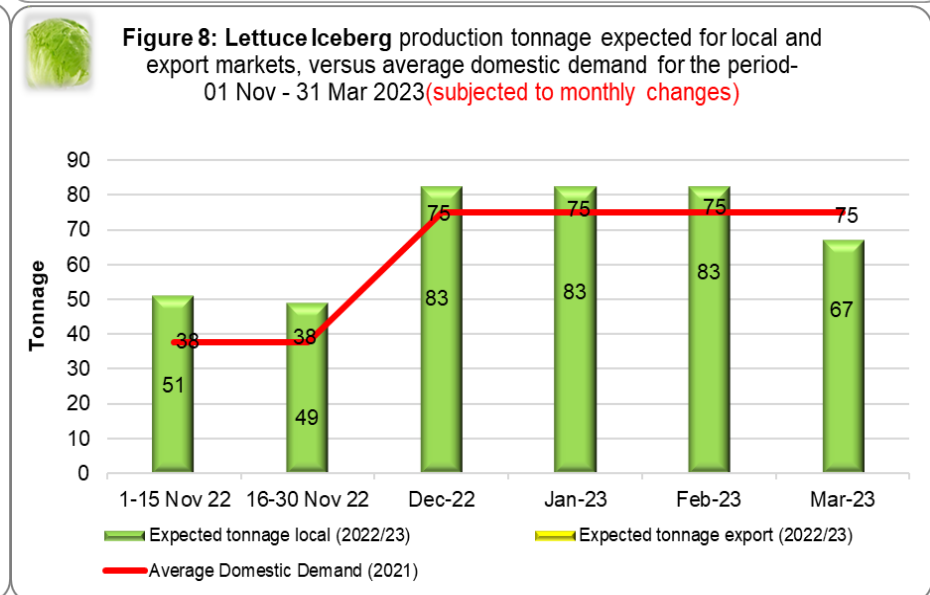
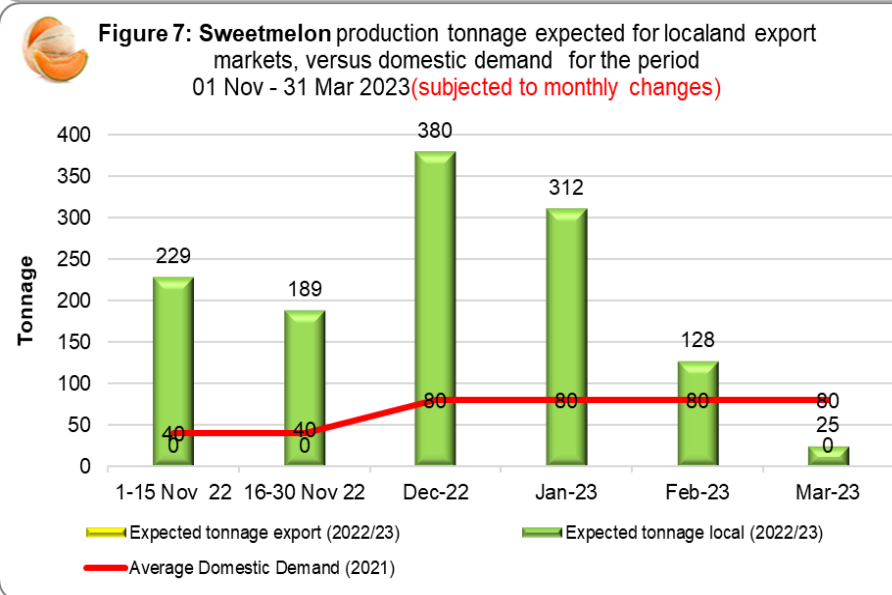
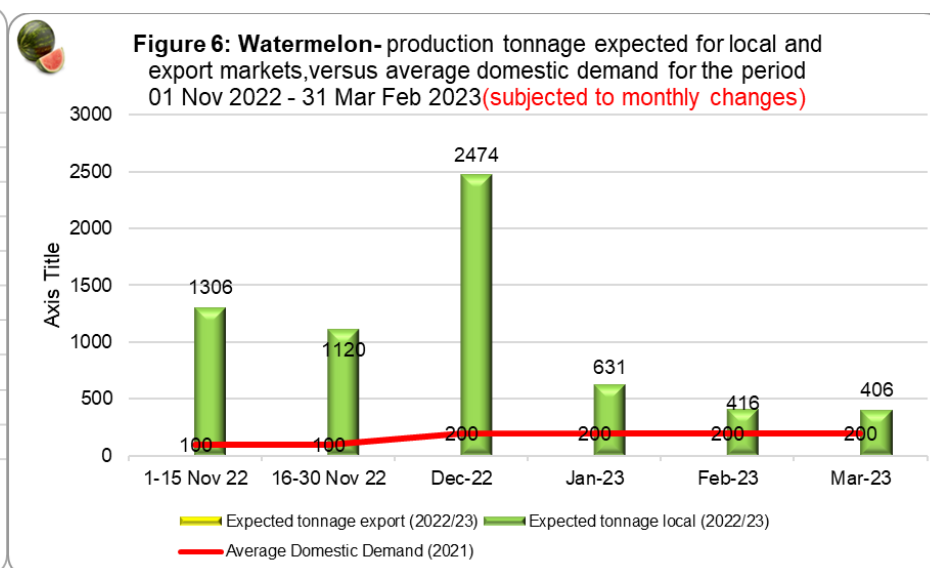
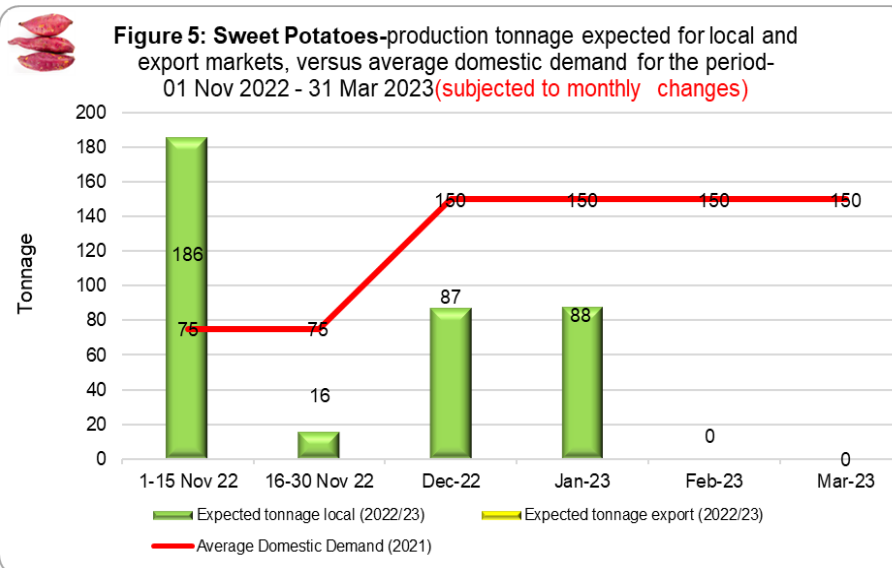
Source: NAB 2022

5 GRAPHICAL ANALYSIS

Figure 3 to Figure 8 shows the graphical analysis for Beetroots, English Cucumber Watermelon, Sweet melon, sweet potatoes, and Lettuce iceberg forecasted the reporting period of **01 November 2022 – 31 March 2023**.



Graphical analysis continues.....



Source: NAB 2022

Figure 9,10 and 11 Analyzed graphically the local tonnage of monitored crops: Cauliflower, Broccoli and Mushroom



Figure 9: CAULIFLOWER production forecast for the period
01 Nov 2022 - 31 Mar 2023

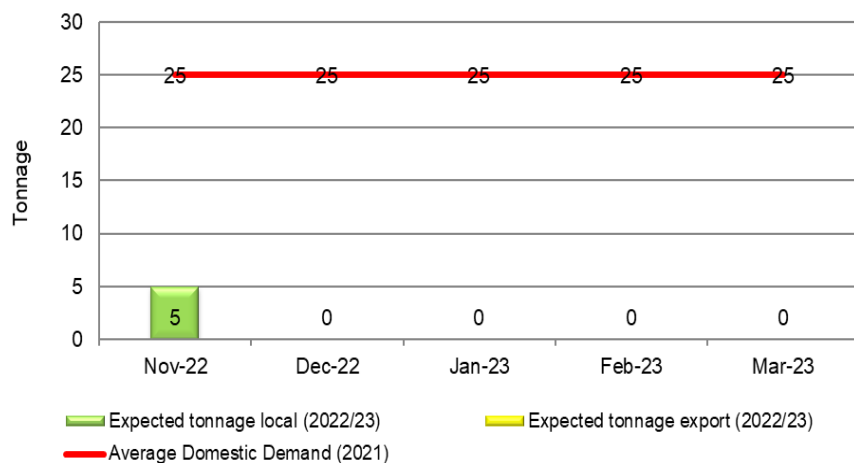


Figure 10: BROCOLLI production forecast for the period
01 Nov 2022- 30 Nov 2023

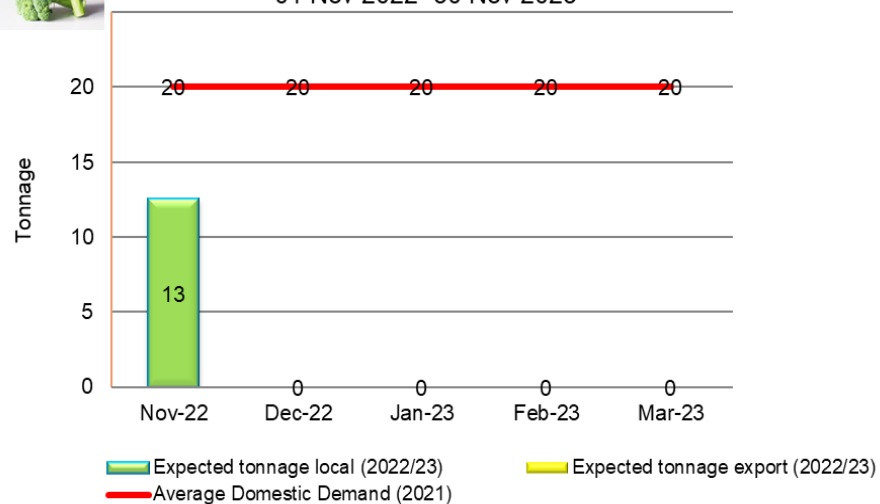
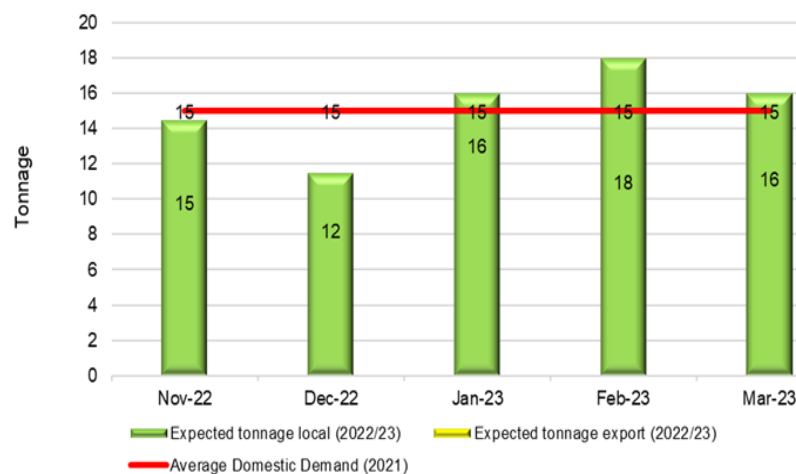


Figure 11: MUSHROOM production forecast for the period
01 Nov 2022 - 31 Mar 2023



Source: NAB 2022

6. CONCLUSION and RECOMMENDATIONS

The report indicates that there will be sufficient local supply of **English Cucumber, Beetroots and Lettuce (Iceberg)** (refer to table 3, figure 3,4,6,7 and 8). Hence the borders will be closed for **English Cucumbers, Beetroots, Watermelon, Sweet Melon and Lettuce** for the special import permit period **1-30 November 2022**. Sweet potatoes will only be sufficient from **1-15th November 2022**.

Please note that, the decision to open and close borders is subjected to changes. However, this decision will be informed by the updated production data from the producers. Hence, it is imperative that producers notify NAB voluntarily in case of deviations from cropping program or in the event of crop failure due to factors beyond producers' control. On the other hand, traders are encouraged to contact the local producers indicated in Table 1 A& B (**availability calendar**) to make local purchase arrangement and comply with their 47% MSP requirements.

Mushroom, Broccoli and cauliflower are currently categorized as monitored crops and therefore for these crops to be added as a special controlled crop in the future, the local production trends are observed and once the production volume proves to meet the local demand, the procedures in place will be followed for these crops to be added as special controlled products scheme.

[illegible]