



HORTICULTURE: VEGETABLES PRODUCTION FORECAST REPORTS _1,2, 3, & 4

FORECASTED PERIOD:

01 FEBRUARY TO 30 JUNE 2023

Introduction

In these four (4) production forecast reports, the local production forecast for 20 Special Controlled Products (SCP) is considered. The inclusion and exclusions for each special controlled product are discussed at the beginning of each report. 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 are shown in the table and graphically to inform the 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 the 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 in understanding special controlled products in surplus or shortage and inform their buying and planting decisions.*
- *Inform the close and open borders period implementation by the NAB which encourages traders to source local horticulture products when sufficient/available.*
- *Facilitate market between traders and producers by demonstrating the producers that are expected to harvest specific Special controlled products 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 (i.e. 5 months ahead).*



Butternuts



Cabbage



Gem Squash



Onions



Potatoes



Pumpkins



Garlic



HORTICULTURE: VEGETABLE PRODUCTION FORECAST

REPORT NO. 1

FORECASTED PERIOD:

01 FEBRUARY TO 30 JUNE 2023

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 covers **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, 2023

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

Table 2 below shows the total expected tonnage to be harvested, and hectares planted per crop per production area during the forecasted period of **01 February to 30 June 2023**.

Table 2: FIVE MONTHS EXPECTED PRODUCTION PER CROP, PER AREA FOR THE PERIOD: 01 February to 30 June 2023														
Numbers in the table below represents tonnage													Last updated: 25 January 2023	
PRODUCTION AREAS	Special controlled and monitored crops	Feb-23			Mar-23		Apr-23		May-23		Jun-23		Total (for the 5 months period)	
		01-15 Feb 23 Local	16-28 Feb 23 Local	01-28 Feb 23 Export	Local	Export	Local	Export	Local	Export	Local	Export	Yield	Ha to be harvested
ZAMBEZI REGION	Butternuts	0.00	0.00	0.00	0.00	0.00	0.68	0.00	0.00	0.00	0.00	0.00	0.68	0.03
	Cabbage	0.85	0.68	0.00	13.77	0.00	9.69	0.00	0.00	0.00	0.00	0.00	24.99	0.77
	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	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	1.70	0.00	0.00	0.77	0.00	13.52	0.00	0.00	0.00	0.00	0.00	15.98	1.22
	Cabbage	3.40	7.23	0.00	52.70	0.00	38.25	0.00	38.25	0.00	0.00	0.00	139.83	4.80
	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	0.85	0.00	0.00	0.00	0.00	1.28	0.00	0.00	0.00	0.00	0.00	2.13	0.08
	Potatoes	0.00	0.00	0.00	0.00	0.00	1.70	0.00	0.00	0.00	0.00	0.00	1.70	0.20
NORTH CENTRAL	Pumpkins	0.00	0.00	0.00	0.00	0.00	6.38	0.00	0.00	0.00	0.00	0.00	6.38	0.25
	Butternuts	7.65	16.15	0.00	72.25	0.00	19.55	0.00	4.25	0.00	1.70	0.00	121.55	7.60
	Cabbage	46.75	73.78	0.00	55.25	0.00	54.40	0.00	0.00	0.00	0.00	0.00	230.18	4.73
	Gem squash	0.00	0.00	0.00	2.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.55	0.15
	Onions	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
KARSTLAND	Pumpkins	0.00	0.00	0.00	17.43	0.00	5.10	0.00	0.00	0.00	0.00	0.00	22.53	0.80
	Butternuts	68.00	78.63	0.00	120.28	0.00	194.65	0.00	25.50	0.00	0.00	0.00	487.05	22.08
	Cabbage	17.00	31.45	0.00	300.90	0.00	370.60	0.00	272.00	0.00	272.00	0.00	1263.95	18.40
	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	9.35	0.00	0.00	42.50	0.00	127.50	0.00	110.50	0.00	1068.88	531.25	1889.98	42.97
CENTRAL	Potatoes	0.00	0.00	0.00	0.00	0.00	239.70	0.00	365.50	0.00	301.75	0.00	906.95	23.00
	Pumpkins	12.75	12.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.50	0.75
	Butternuts	34.00	28.05	0.00	42.50	0.00	55.25	0.00	0.00	0.00	0.00	0.00	159.80	5.75
	Cabbage	51.00	51.00	0.00	119.00	0.00	136.00	0.00	8.50	0.00	0.00	0.00	365.50	7.40
	Gem squash	0.00	0.00	0.00	0.00	0.00	17.00	0.00	0.00	0.00	0.00	0.00	17.00	1.00
SOUTH AND ORANGE RIVER	Onions	0.00	0.00	0.00	0.00	0.00	15.47	0.00	0.00	0.00	510.17	340.00	865.64	20.09
	Potatoes	403.75	484.50	0.00	0.00	0.00	477.70	0.00	0.00	0.00	0.00	0.00	1365.95	45.50
	Pumpkins	96.90	90.95	0.00	106.25	0.00	99.45	0.00	14.45	0.00	0.00	0.00	408.00	10.25
	Butternuts	89.25	59.50	0.00	56.10	0.00	97.75	0.00	29.75	0.00	0.00	0.00	332.35	10.95
	Cabbage	5.10	5.10	0.00	2.13	0.00	113.90	0.00	75.65	0.00	0.00	0.00	201.88	3.65
Total expected production tonnage per crop per month	Gem squash	2.55	2.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.10	0.30
	Onions	0.00	0.00	0.00	0.00	0.00	10.20	0.00	10.20	0.00	0.00	0.00	20.40	0.50
	Pumpkins	0.00	0.00	0.00	36.55	0.00	121.55	0.00	42.50	0.00	0.00	0.00	200.60	5.20
	Butternuts	201	182	0	292	0	381	0	60	0	2	0	1117	48
	Cabbage	124	169	0	544	0	723	0	394	0	272	0	2226	40
	Gem Squash	3	3	0	3	0	17	0	0	0	0	0	25	1
	Onions	10	0	0	43	0	144	0	111	0	1579	871	2758	63
	Potatoes	404	485	0	0	0	719	0	366	0	302	0	2275	69
	Pumpkins	110	104	0	160	0	232	0	57	0	0	0	663	17
	Garlic	0.6			0	0	0	0	0	0	0	0	0.6	0.11

Source: NAB, 2023

3. AVAILABILITY OF THE EXPECTED CROPS PER PRODUCERS

Table 3A shows the availability of the expected **special controlled crops** per area, per producer and per month. Traders are advised to contact producers listed herein, to arrange for local purchase, hence comply with the 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 February to 30 June 2023 Last updated: 25 January 2023																																			
Contact Person	Target Market			01-15 Feb 2023					16-28 Feb 2023					Mar-23					Apr-23					May-23					Jun-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	Charity Mulemwa Goaises	✓	✓																																
2	George Nalisa	✓	✓																																
3	Kenneth Simasiku Sitali	✓	✓																																
4	Lucious Chata	✓	✓																																
5	Rosco Misika Lukubwe	✓	✓																																
6	Vincent Siliye	✓	✓																																
KAVANGO																																			
1	Agatha Muronga	✓	✓																																
2	Cliff Mbala	✓	✓																																
3	Henrick Locke	✓	✓																																
4	Laurentia Nkandanga	✓	✓																																
5	Maxwell Nghidinwa	✓	✓																																
6	Nangolo Henock Katanga	✓	✓																																
7	Pius Kapikara	✓	✓																																
8	Thadeus Mushambe	✓	✓																																
NORTH CENTRAL																																			
1	Abisai Amashili	✓	✓																																
2	Andreas Ashimbanga	✓	✓																																
3	Annanias Theophilus	✓	✓																																
4	Asser & Taapopi Moses	✓	✓																																
5	Aurelia Shikesho	✓	✓																																
6	Elifas Nuuyoma	✓	✓																																
7	Emile Marais	✓	✓																																
8	Emily Naunyango	✓	✓																																
9	Johannes Naindjala	✓	✓																																
10	Ndasilohenda Nakashwa	✓	✓																																

Table 3A continues.....

CENTRAL																												
Contact Person		Local Informal	Local Formal	Export	01-15 Feb 2023				16-28 Feb 2023				Mar-23				Apr-23				May-23				Jun-23			
1	Adam Ndaura	√	√																									
2	Auguste Kankono	√	√																									
3	Bernice van Wyk	√	√																									
4	Bertus Pretorius	√	√																									
5	Byaombe Bakari	√	√																									
6	Cleophas Katuuo	√	√																									
7	Gabriel Tjiroze	√	√																									
8	Hagen Horstmark	√	√																									
9	Helen Andreas	√	√																									
10	Henk Peters	√	√																									
11	Hueston Groenewaldt	√	√																									
12	Lothar Kollmitz	√	√																									
13	Ludie Kolver	√	√																									
14	Stenly Mcloud	√	√	√																								

SOUTH AND ORANGE RIVER

NAME OF PRODUCER		Local Informal	Local Formal	Export	01-15 Feb 2023				16-28 Feb 2023				Mar-23				Apr-23				May-23				Jun-23			
1	Burger J. Harmse	✓	✓																									
2	Elize Eliphas	✓	✓																									
3	Elmarie Janse van Rensburg	✓	✓																									
4	G.F. Janse van Rensburg	✓	✓																									
5	Given Bock	✓	✓																									
6	Hentie van Dyk	✓	✓																									
7	Herman van Dyk	✓	✓																									
8	Hoekes van Niekerk	✓	✓																									
9	Jimmy E. O'kenedy	✓	✓																									
10	Ulrich Schneider	✓	✓																									
11	Vivian Mutwa	✓	✓																									
12	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, 2023

Table 3B shows availability **Garlic** as **monitored controlled crop** per area, per producer and per specific month. 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 February to 30 June 2023				Last updated: 25 January 2023			
NAME OF PRODUCER	01-15 Feb 23	16-28 Feb 23	Mar-23	Apr-23	May-23	Jun-23	
Karst Area							
1 Juliana Gericke							
Central Area							
1 Jaco Thomas							

Source: NAB, 2023

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 for butternuts and pumpkins are expected to be sufficient; whereas cabbage, gem squash, onions and potatoes are expected to be insufficient from 01 to 28 February 2023.

Table 4: ANALYSIS OF THE EXPECTED TONNAGE FOR DOMESTIC MARKET VERSUS AVERAGE DOMESTIC DEMAND								
Numbers in this table represents tonnage					Last updated: 25 January 2023			
Special Controlled Crops	Expected Surplus or Shortage	01-15 Feb 2023	16-28 Feb 2023	Mar-23	Apr-23	May-23	Jun-23	Total
Butternuts	Expected for domestic market	201	182	292	381	60	2	1117
	Average domestic demand	145	145	291	291	291	291	1454
	Surplus / shortage	55	37	1	91	-231	-289	-337
Cabbage	Expected for domestic market	124	169	544	723	394	272	2226
	Average domestic demand	283	283	566	566	566	566	2828
	Surplus / shortage	-159	-114	-22	157	-171	-294	-602
Gem Squash	Expected for domestic market	3	3	3	17	0	0	25
	Average domestic demand	22	22	43	43	43	43	217
	Surplus / shortage	-19	-19	-41	-26	-43	-43	-192
Onions	Expected for domestic market	10	0	43	144	111	1579	1886
	Average domestic demand	501	501	1003	1003	1003	1003	5015
	Surplus / shortage	-491	-501	-960	-859	-892	576	-3128
Potatoes	Expected for domestic market	404	485	0	719	366	302	2275
	Average domestic demand	1,883	1883	3766	3766	3766	3766	18831
	Surplus / shortage	-1479	-1399	-3766	-3047	-3401	-3464	-16556
Pumpkins	Expected for domestic market	110	104	160	232	57	0	663
	Average domestic demand	57	57	114	114	114	114	572
	Surplus / shortage	52	47	46	118	-57	-114	91

Source: NAB, 2023

4.2 GRAPHICAL ANALYSIS

Graphical analysis shows the domestic production tonnage expected for the local and export markets in comparison to the average domestic demand. **Figure 1 and 6** shows that butternuts and pumpkins are expected to be sufficient to meet the local demand in February month, whereas **figure 2, 3, 4 and 5** shows that cabbage, gem squash, onions and potatoes are expected to be insufficient in February 2023.



Figure 1: Butternuts production tonnage expected for local and export markets, versus average domestic demand for the period - 01 February to 30 June 2023 (Subjected to monthly changes)

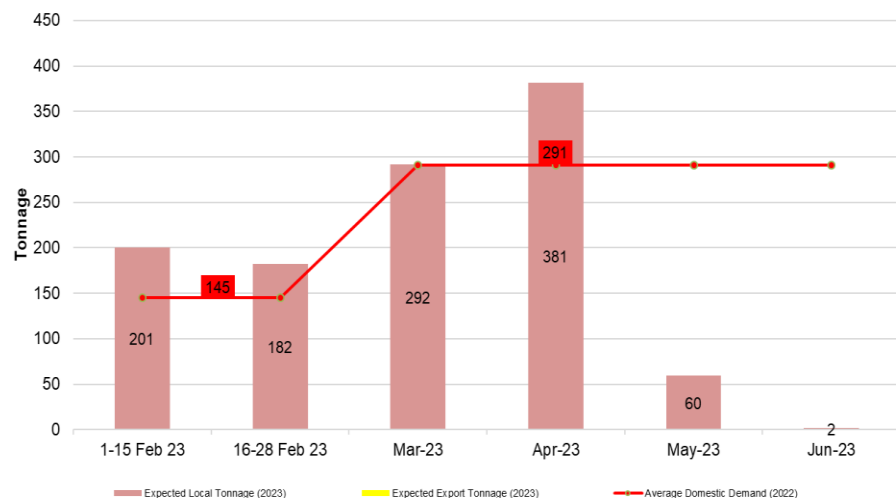


Figure 2: Cabbage production tonnage expected for local and export markets, versus average domestic demand for the period - 01 February to 30 June 2023 (Subjected to monthly changes)

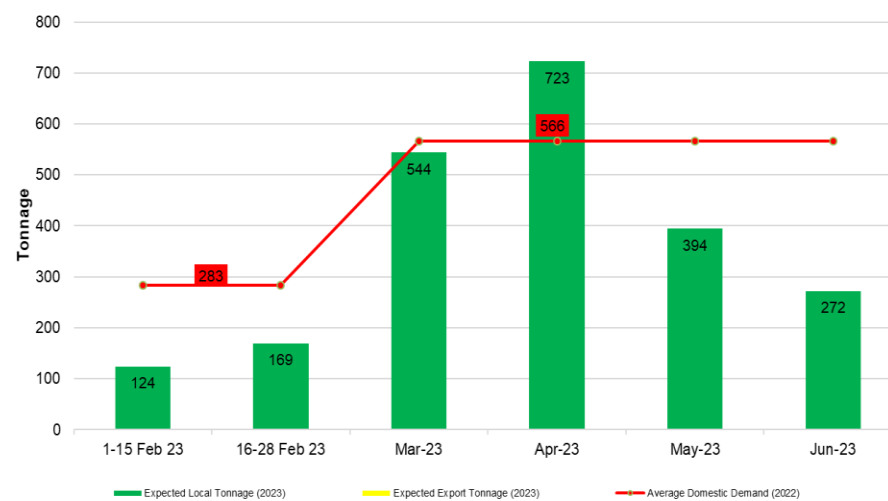


Figure 3: Gem Squash production tonnage expected for local and export markets, versus average domestic demand for the period - 01 February to 30 June 2023 (Subjected to monthly changes)

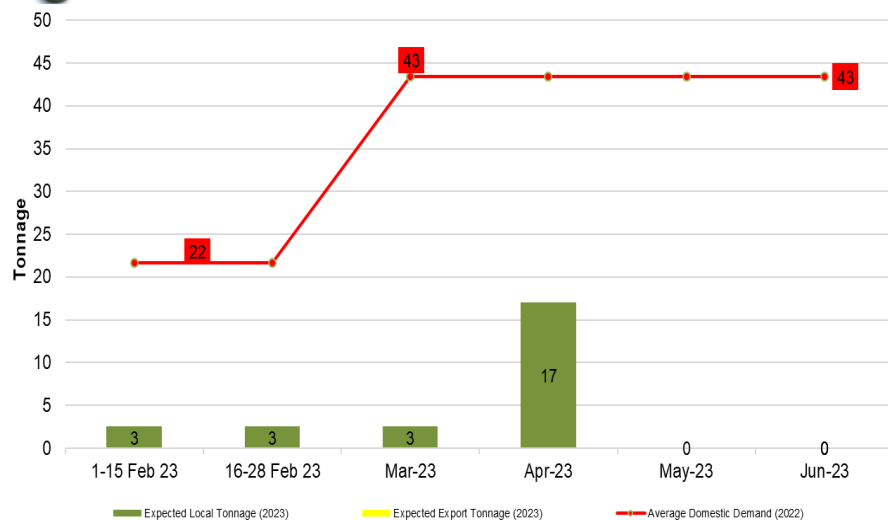
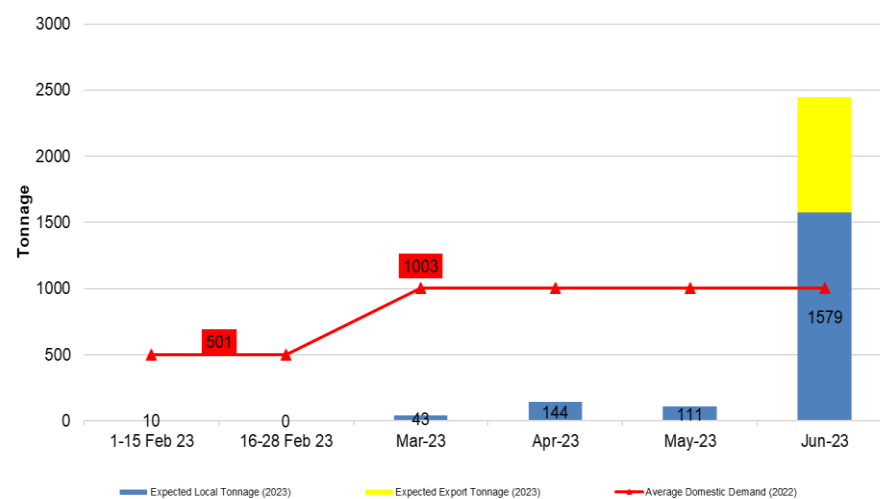
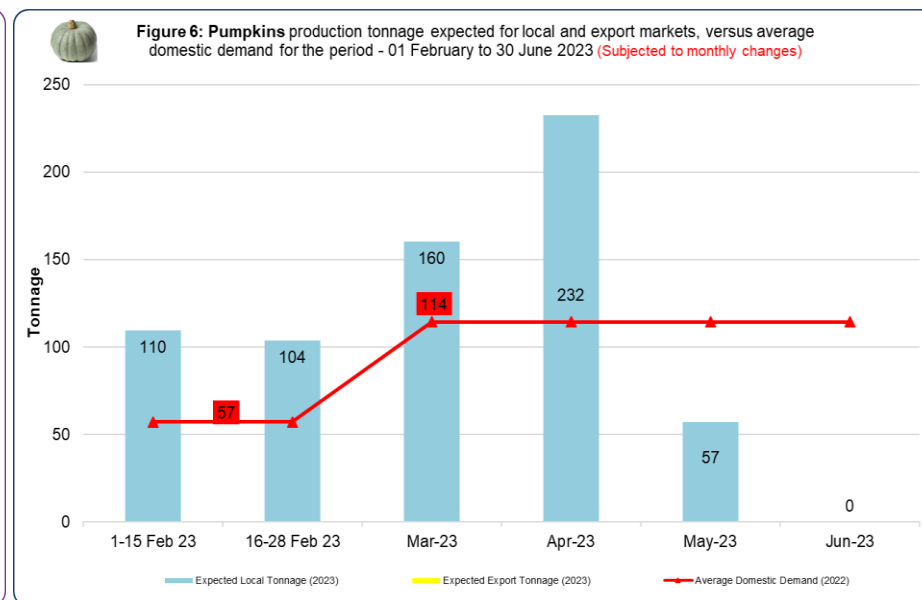
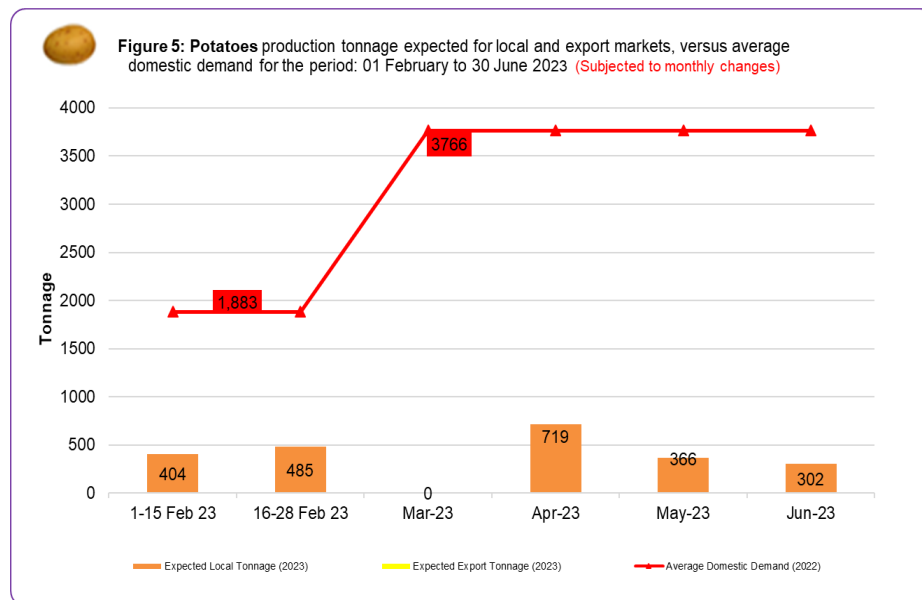


Figure 4: Onions production tonnage expected for the local and export markets, versus average domestic demand for the period - 01 February to 30 June 2023 (subjected to monthly changes)

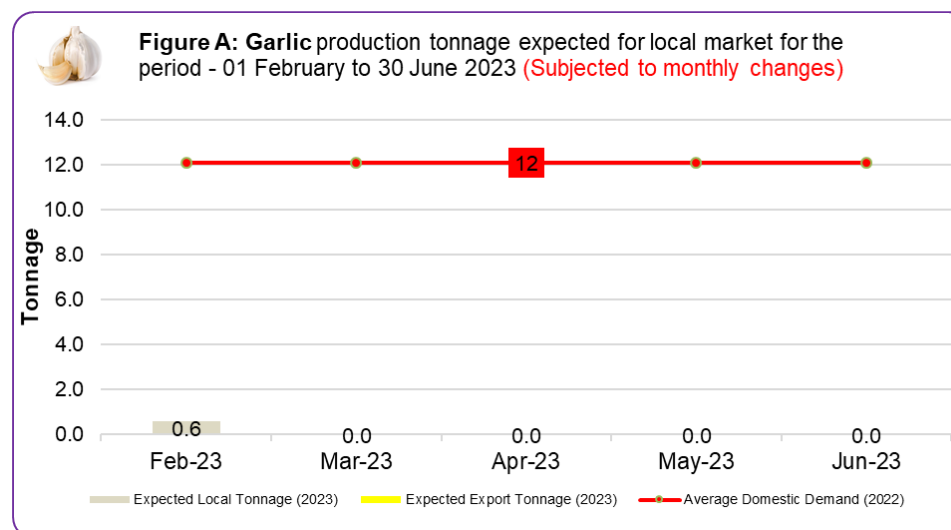


Graphical analysis figures continue...



Source: NAB, 2023

Figure A below shows that, the projected tonnage for garlic (monitored crop) is expected to be insufficient during this reporting period.



Source: NAB, 2023

5. CONCLUSIONS AND RECOMMENDATIONS

The report concludes that, the country expects a sufficient local supply of **butternuts** and **pumpkins** during this reporting period thus recommends for the border to be **closed** to restrict the importation of these two crops during the special permit period of **01-28 February 2023**.

The report further concluded that, cabbage, gem squash, onions and potatoes are expected to be in shortage in February 2023. It is therefore recommended that the boarder be **open** to allow the importation of these four crops as from **01 to 28 February 2023**, however, 47% MSP rules shall apply at all times.

Traders are encouraged to ensure compliance to the 47% minimum Market Share Promotion requirement by buying more of local produced vegetables, irrespective of close or open borders implementation for such products and only import when deemed necessary. Traders are therefore advised to contact registered local vegetable producers who are expected to harvest these products as per **the availability calendar (table 3)** in this report, to make necessary purchase arrangements.

Conclusively, 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.

[illegible]



Colour Pepper



Tomato Round



Tomato Jam



Carrot



Green Pepper



Spinach



Sweetcorn



HORTICULTURE: VEGETABLES PRODUCTION FORECAST

REPORT NO.2

FORECASTED PERIOD:

01 FEBRUARY 2023 TO 30 JUNE 2023

Agronomy and Horticulture Market Development Division

Horticulture Market Development Subdivision

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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. 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. 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".	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 that Carrot, Tomato Round and Colour 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 Feb 23		16-28 Feb 23		Mar-23		Apr-23		May-23		Jun-23		Totals	
		Local	Export	Local	Export	Local	Export	Local	Export	Local	Export	Local	Export	Expected tonnage	Hectares planted
ZAMBEZI	Tomato Round	1.3	0.0	5.4	0.0	10.9	0.0	4.9	0.0	0.6	0.0	0.0	0.0	23.1	1.4
	Tomato Jam	0.8	0.0	0.8	0.0	3.2	0.0	12.6	0.0	11.6	0.0	10.5	0.0	39.5	0.9
	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	0.7	0.0	0.8	0.0	1.6	0.0	0.1	0.0	0.1	0.0	0.0	0.0	3.3	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	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.1
	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	2.5	0.0	1.9	0.0	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.9	0.6
	Tomato Jam	8.5	0.0	12.2	0.0	11.4	0.0	26.3	0.0	0.5	0.0	0.0	0.0	58.9	1.4
	Carrot	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0
	Green Pepper	2.4	0.0	3.4	0.0	5.4	0.0	4.1	0.0	2.0	0.0	2.0	0.0	19.3	1.3
	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	0.1	0.0	0.1	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Tomato Jam	17.5	0.0	20.5	0.0	46.0	0.0	33.1	0.0	21.7	0.0	0.0	0.0	138.6	5.0
	Carrot	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	0.3
	Green Pepper	3.3	0.0	3.3	0.0	8.2	0.0	5.5	0.0	3.0	0.0	3.0	0.0	26.1	1.1
	Coloured Pepper	0.0	0.0	0.0	0.0	2.7	0.0	2.7	0.0	2.1	0.0	2.1	0.0	9.5	0.3
	Spinach	0.3	0.0	0.3	0.0	0.6	0.0	0.6	0.0	0.5	0.0	0.5	0.0	2.7	0.3
	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	26.0	0.0	34.0	0.0	58.0	0.0	48.0	0.0	48.0	0.0	0.0	0.0	214.0	3.8
	Tomato Jam	50.1	0.0	39.3	0.0	118.6	0.0	80.7	0.0	23.8	0.0	0.0	0.0	312.5	11.5
	Carrot	105.0	0.0	145.0	0.0	350.0	0.0	320.0	0.0	390.0	0.0	330.0	0.0	1640.0	40.5
	Green Pepper	15.1	0.0	23.9	0.0	37.1	0.0	34.4	0.0	29.8	0.0	0.0	0.0	140.3	6.7
	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	0.4	0.0	0.4	0.0	0.8	0.0	0.8	0.0	0.8	0.0	0.3	0.0	3.5	1.1
	Sweetcorn	7.0	0.0	7.0	0.0	12.0	0.0	12.0	0.0	12.0	0.0	0.0	0.0	50.0	8.3
CENTRAL	Tomato Round	44.5	0.0	44.5	0.0	97.0	0.0	97.0	0.0	117.0	0.0	18.0	0.0	418.0	6.9
	Tomato Jam	8.6	0.0	8.6	0.0	26.2	0.0	8.4	0.0	5.4	0.0	0.4	0.0	57.6	2.5
	Carrot	17.5	0.0	17.5	0.0	35.0	0.0	35.0	0.0	35.0	0.0	35.0	0.0	175.0	5.0
	Green Pepper	20.6	0.0	20.6	0.0	47.5	0.0	47.4	0.0	22.1	0.0	6.3	0.0	164.5	5.1
	Coloured Pepper	67.0	0.0	67.0	0.0	134.0	0.0	134.0	0.0	134.0	0.0	134.0	0.0	670.0	7.5
	Spinach	11.1	0.0	11.1	0.0	22.1	0.0	22.1	0.0	21.0	0.0	21.0	0.0	108.4	5.9
	Sweetcorn	6.0	0.0	6.0	0.0	0.0	0.0	3.5	0.0	3.5	0.0	0.0	0.0	19.0	2.5
SOUTH AND ORANGE RIVER	Tomato Round	21.7	0.0	22.5	0.0	7.6	0.0	8.6	0.0	7.8	0.0	5.8	0.0	73.9	4.7
	Tomato Jam	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
	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	3.9	0.0	3.9	0.0	7.8	0.0	4.0	0.0	4.0	0.0	4.0	0.0	27.5	1.5
	Coloured Pepper	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.2
	Spinach	0.4	0.0	0.0	0.0	0.8	0.0	0.8	0.0	0.8	0.0	0.8	2.0	3.6	0.1
	Sweetcorn	2.8	0.0	6.3	0.0	9.1	0.0	5.6	0.0	5.6	0.0	5.6	0.0	35.0	6.0
Total expected per crop per month	Tomato Round	95.9	0.0	108.3	0.0	178.0	0.0	158.4	0.0	173.4	0.0	23.8	0.0	737.8	17.4
	Tomato Jam	85.5	0.0	81.4	0.0	205.3	0.0	161.0	0.0	62.9	0.0	10.9	0.0	607.0	21.4
	Carrot	123.4	0.0	163.8	0.0	386.0	0.0	356.0	0.0	426.0	0.0	366.0	0.0	1821.2	45.9
	Green Pepper	46.0	0.0	55.8	0.0	107.6	0.0	95.4	0.0	61.0	0.0	15.3	0.0	381.1	15.9
	Coloured Pepper	68.3	0.0	67.0	0.0	136.7	0.0	136.7	0.0	136.1	0.0	136.1	0.0	680.8	8.0
	Spinach	12.3	0.0	11.9	0.0	24.9	0.0	24.3	0.0	23.1	0.0	22.6	2.0	119.0	7.5
	Sweetcorn	15.8	0.0	19.3	0.0	21.1	0.0	21.1	0.0	21.1	0.0	5.6	0.0	104.0	16.75

Source: NAB,2023

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 Feb 2023							16 to 28 Feb 2023							Mar-23							Apr-23							May-23							Jun-23													
SN	Name of Producer	Local	Export	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	Tomato Round	Tomato Jam	Carrot	Green pepper	Coloured pepper	Spinach	Sweet Corn							
1	Bernald Silwabubi	✓																																																		
2	Bernard Sitali	✓																																																		
3	Joseph Simataa	✓																																																		
4	Vincent Siliye	✓																																																		
5	Fernando Baptista	✓																																																		
6	Kenneth Siamsiku Sitali	✓																																																		
7	Nelamo Ibalelo	✓																																																		
8	Peggy Mufalali	✓																																																		
9	Shylock Sirvula	✓																																																		
KAVANGO AREA																																																				
	Name of Producer			01 to 15 Feb 2023							16 to 28 Feb 2023							Mar-23							Apr-23							May-23							Jun-23													
1	Patrick Mbangu	✓																																																		
2	Bernhard Kudumo	✓																																																		
3	Raphael Kampanza	✓																																																		
4	Sebastian Kantema	✓																																																		
5	Maxwell Nghidinwa	✓																																																		
6	Henock Katanga	✓																																																		
7	Henrick Locke	✓																																																		
8	Cliff Mbala	✓																																																		
9	Manfred Thikusho	✓																																																		
10	Jonathan Mukwangu	✓																																																		
11	Pius Kapikara	✓																																																		

Table 3 continued...

NORTH CENTRAL AREA																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
	Name of Producer			01 to 15 Feb 2023					16 to 28 Feb 2023					Mar-23					Apr-23					May-23					Jun-23																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
1	Andreas Ashimbanga	✓																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														

Table 3 continued...

CENTRAL AREA																																	
	Name of Producer			01 to 15 Feb 2023					16 to 28 Feb 2023					Mar-23					Apr-23					May-23					Jun-23				
1	Auguste Kankono	✓																															
2	Bernice Van Wyk	✓																															
3	Adam Ndaura	✓																															
4	Gerson Geingob	✓																															
5	Byaombe Bakari	✓																															
6	Jan L Conradie	✓																															
7	Ferdinand Nghiyolwa	✓																															
8	George Ellis	✓																															
9	Helena Andreas	✓																															
10	Dinah Trauss	✓																															
11	Liza Kokermore	✓																															
12	Drik Wolbing	✓																															
13	Fritz Von Krosigk	✓																															
14	Lothar Kollnitz	✓																															
15	Jaco Van der Westhuizen	✓																															
16	Cleophas Katuuo	✓																															
17	Jaco Thomas	✓																															
18	Hueston Groenewaldt	✓																															
19	Henk Peters	✓																															
SOUTH AND ORANGE RIVER AREA																																	
	Name of Producer			01 to 15 Feb 2023					16 to 28 Feb 2023					Mar-23					Apr-23					May-23					Jun-23				
1	Elmarie Janse Van Rensburg	✓																															
2	Elize Eliphas	✓																															
3	Lovisa Sackaria	✓																															
4	S.S.W.Louw	✓																															
5	Francois van Rensburg	✓																															
6	Zirk Jansen	✓																															

Source: NAB, 2023

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 Jam, Sweetcorn, Green Pepper and Colour Pepper, are expected to be Sufficient in the entire permit period of 01 to 28 February 2023. While Carrot, Spinach and Tomato Round will be insufficient in this permit period, of 01 to 28 February 2023.

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 Feb 23	16-28 Feb 23	Mar-23	Apr-23	May-23	Jun-23	TOTAL
Tomato Round	Expected for Domestic Market	95.9	108.3	178.0	158.4	173.4	23.8	737.8
	Average Domestic Demand	190.0	190.0	380.0	380.0	380.0	380.0	1900.1
	Surplus /Shortage	-94.1	-81.7	-202.1	-221.6	-206.6	-356.2	-1162.3
Tomato Jam	Expected for Domestic Market	85.5	81.4	205.3	161.0	62.9	10.9	607.0
	Average Domestic Demand	2.5	2.5	5.1	5.1	5.1	5.1	25.3
	Surplus /Shortage	83.0	78.9	200.3	156.0	57.8	5.8	581.7
Carrot	Expected for Domestic Market	123.4	163.8	386.0	356.0	426.0	366.0	1821.2
	Average Domestic Demand	220.0	220.0	440.1	440.1	440.1	440.1	2200.4
	Surplus /Shortage	-96.6	-56.2	-54.1	-84.1	-14.1	-74.1	-379.2
Green Pepper	Expected for Domestic Market	46.0	55.8	107.6	95.4	61.0	15.3	381.1
	Average Domestic Demand	20.1	20.1	40.2	40.2	40.2	40.2	200.9
	Surplus /Shortage	25.9	35.7	67.4	55.2	20.8	-24.9	180.2
Colour Pepper	Expected for Domestic Market	68.3	67.0	136.7	136.7	136.1	136.1	680.8
	Average Domestic Demand	37.7	37.7	75.4	75.4	75.4	75.4	376.8
	Surplus /Shortage	30.6	29.3	61.3	61.3	60.7	60.7	304.0
Sweetcorn	Expected for Domestic Market	15.8	19.3	21.1	21.1	21.1	5.6	104.0
	Average Domestic Demand	12.1	12.1	24.1	24.1	24.1	24.1	120.5
	Surplus /Shortage	3.7	7.2	-3.0	-3.0	-3.0	-18.5	-16.5
Spinach	Expected for Domestic Market	12.3	11.9	24.9	24.3	23.1	22.6	119.0
	Average Domestic Demand	13.8	13.8	27.6	27.6	27.6	27.6	138.0
	Surplus /Shortage	-1.5	-1.9	-2.7	-3.3	-4.5	-5.0	-19.0

Source: NAB,2023

4.2 GRAPHICAL ANALYSIS

Figures 1- 7: Below indicates the expected local tonnage, average domestic demand and export analysis per crop, we therefore have sufficient supply of Tomato Jam, Sweetcorn, Green and Colour Pepper from 01 to 28 February 2023 permit period. The Carrot, Spinach and Tomato Round will be insufficient in this permit period.

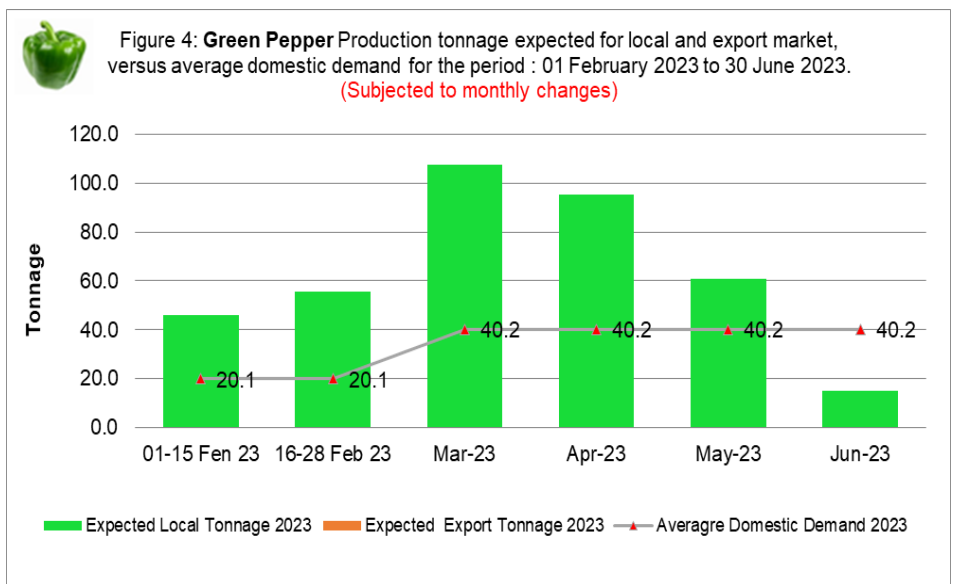
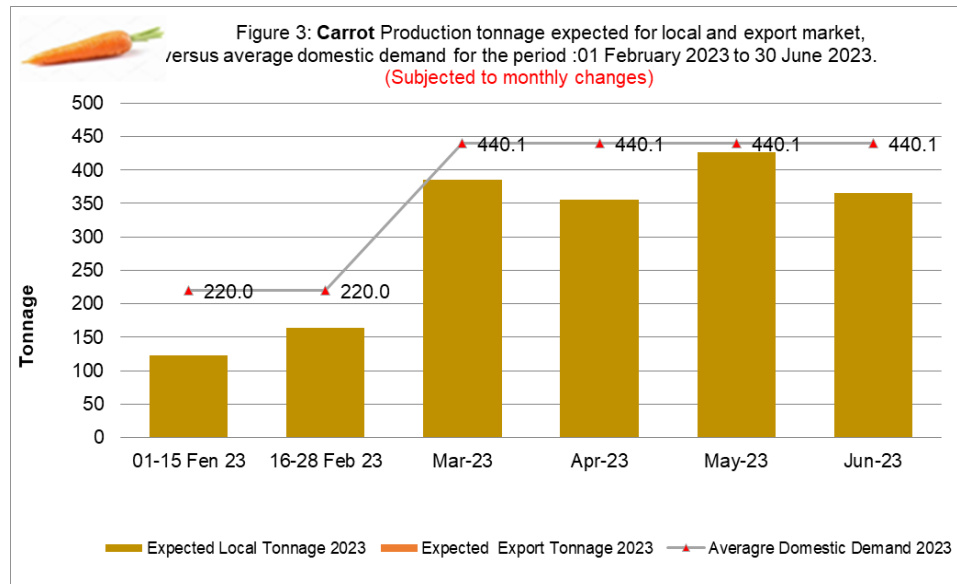
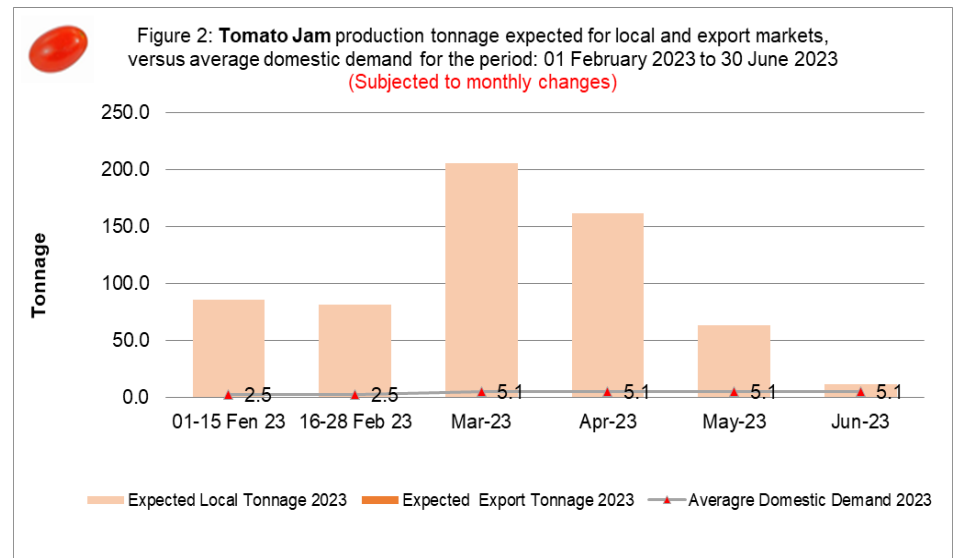
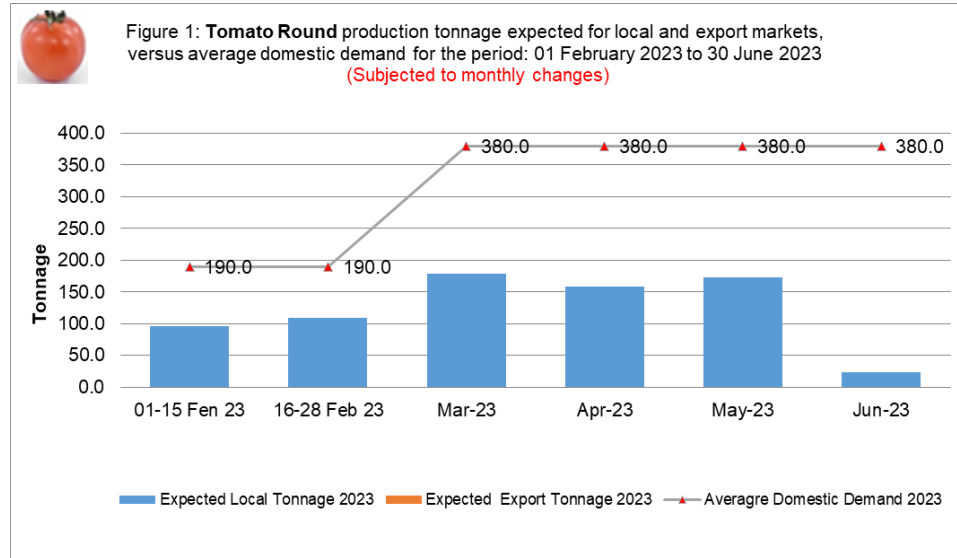




Figure 5: **Sweetcorn** Production tonnage expected for local and export market, versus average domestic demand for the period: 01 February 2023 to 30 June 2023.
(Subjected to monthly changes)

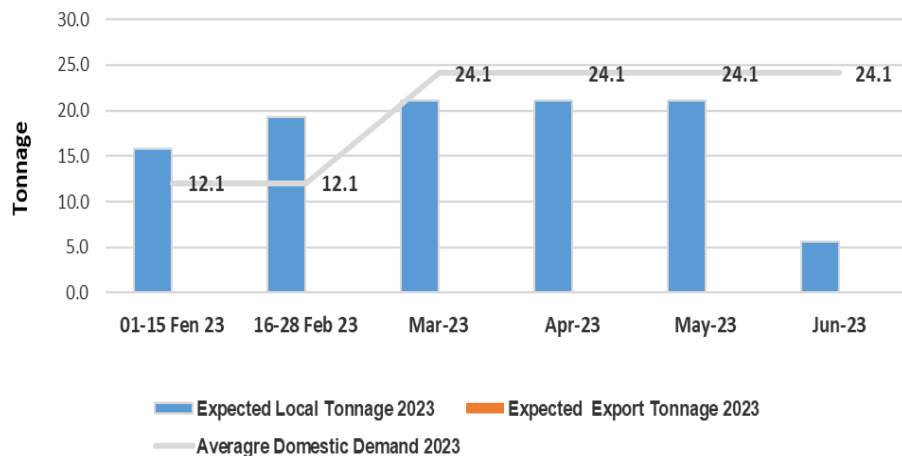


Figure 6: **Colour Pepper** Production tonnage expected for local and export market, versus average domestic demand for the period : 01 February 2023 to 30 June 2023.
(Subjected to monthly changes)

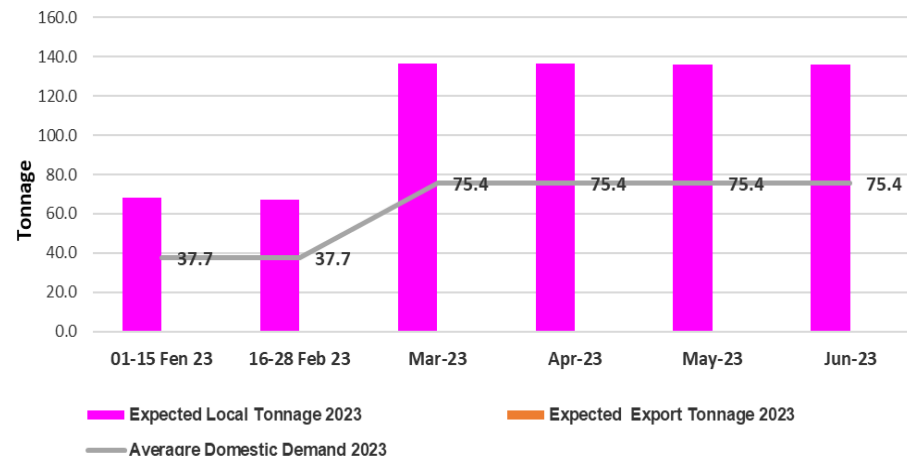
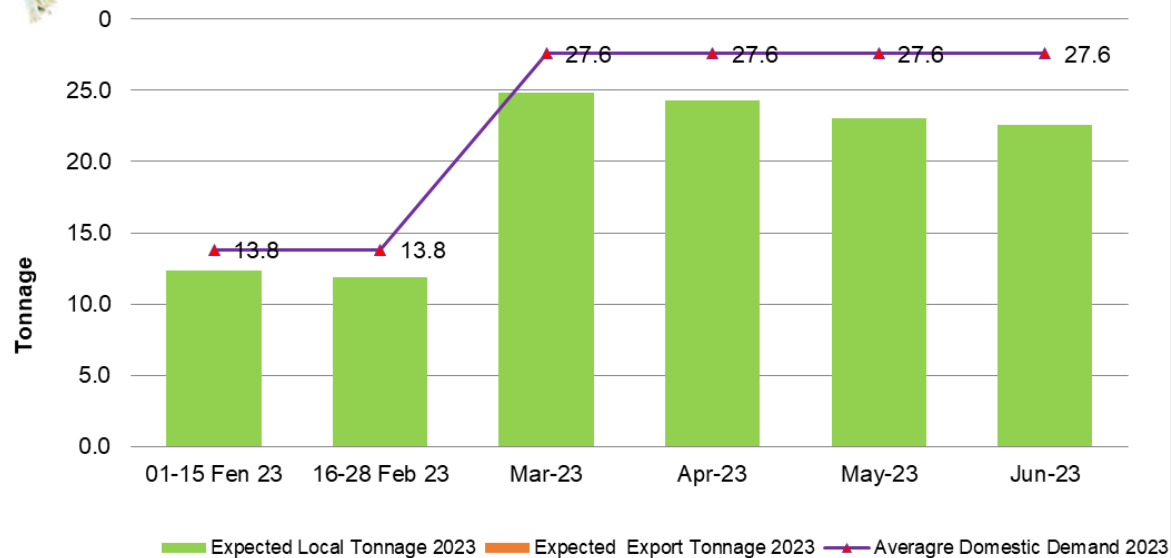


Figure 7 : **Spinach** Production tonnage expected for local and export market, versus average domestic demand for the period : 01 February 2023 to 30 June 2023.
(Subjected to monthly changes)



5. CONCLUSIONS AND RECOMMENDATIONS

This report indicates sufficient supply of Tomato Jam, Sweetcorn, Green Pepper and Color Pepper for the entire special permit period of 01 to 28 February 2023. It is therefore recommended that the above-mentioned product lines be closed for importation during this permit period.

The report further shows insufficient supply of and Tomato Round, Carrot and Spinach during the special permit period 01 to 28 February 2023. It is therefore recommended that borders open on prorata for importation of Tomato Round (50:50), Carrot (50:50), and Spinach (20:80) with Import to Locally sourced respectively. However, traders are reminded that MSP rule of 47 % is strictly applied at times.

In conclusion traders are encouraged to contact farmers and source their needed produces locally before resorting to importing.

[illegible]



Beetroot



English Cucumber



Sweet Potato



Watermelon



Sweet melon



Lettuce.



Cauliflower



Broccoli



Mushroom



HORTICULTURE: VEGETABLES PRODUCTION FORECAST

REPORT NO 3

FORECASTED PERIOD:

01 February 2023 TO 30 June 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 such as **Beetroot, English Cucumber, Sweet Potato, Watermelon, Sweet melon, and Lettuce**, and three (3) monitored crops i.e., **Cauliflower, Broccoli, and Mushroom**. Below is the list of inclusions and exclusions (**table 1**) for the above-outlined special controlled products. **Please take note:** All the exclusions are imported using mixed fruit and vegetable permit, valid for 90 days.

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 sizes 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 sizes of fresh, chilled, Whole or Cut English Cucumber, except the "Exclusions".	Preserved English Cucumber, and 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 sizes of fresh, chilled, Whole or Cut Watermelon, except the "Exclusions".	All Watermelon Juices and Jam.
Sweet melon	All types, size groups, and container sizes 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 color. All frozen, dried, cooked, and preserved Lettuce (Whole or Cut) of any color and shape.

Whole: any fresh fruit or vegetable that has 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 has been dried or dehydrated, either whole or in pieces/cuts.

Frozen: any fresh fruits or vegetables that have had their temperature reduced and maintained 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 shows the monthly expected production per area of the six special controlled crops in different zones.

Table 1A: Monthly expected production per area, per crop for the period 01 Feb - 30 June 2023															
Numbers in the table below represents tonnage expected to harvested for local and export market														Last updated: 20 Jan 2023	
PRODUCTION AREAS	CROPS	1-15 Feb		16-28 Feb		Mar-23		Apr-23		May-23		Jun-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	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	2.0	0.0	0.0	0.0	2.00	0.10
	Watermelon	1.1	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.10	0.14
	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	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	3.3	0.0	9.8	0.0	16.6	0.0	10.0	0.0	0.3	0.0	0.0	0.0	41.11	3.26
	Watermelon	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
	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	0.000
NORTH CENTRAL	Beetroot	5.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.00	0.45
	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	47.4	0.0	9.8	0.0	70.8	0.0	50.0	0.0	0.0	0.0	10.0	0.0	187.90	10.40
	Watermelon	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
	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
KARSTLAND	Beetroot	25.0	0.0	25.0	0.0	30.0	0.0	50.0	0.0	70.0	0.0	70.0	0.0	270.00	9.00
	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	5.0	0.0	80.0	0.0	0.0	0.0	85.00	4.25
	Watermelon	0.0	0.0	50.0	0.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.00	2.00
	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 Iceberg	4.2	0.0	4.2	0.0	8.4	0.0	8.4	0.0	8.4	0.0	8.4	0.0	42.00	3.00

Table 1 A continues...

CENTRAL	Beetroot	0.0	0.0	0.0	0.0	15.4	0.0	32.5	0.0	0.0	0.0	0.0	0.0	47.90	2.54
	English Cucumbers	49.9	0.0	49.9	0.0	76.0	0.0	76.0	0.0	46.0	0.0	8.8	0.0	306.40	2.58
	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	6.0	0.0	46.0	0.0	165.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	217.00	5.40
	Sweetmelon	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.00	1.20
	Lettuce Iceberg	24.5	0.0	24.5	0.0	45.0	0.0	45.0	0.0	20.0	0.0	0.0	0.0	159.00	7.00
SOUTH AND ORANGE RIVER	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	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.50	0.35
	Sweet Potatoes	0.0	0.0	30.0	0.0	30.0	0.0	65.0	0.0	50.0	0.0	0.0	0.0	175.00	6.00
	Watermelon	20.0	0.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55.00	2.50
	Sweetmelon	15.0	0.0	45.0	0.0	15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	75.00	2.00
	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
Total expected production per crop per month	Beetroot	30.0	0.0	25.0	0.0	50.4	0.0	82.5	0.0	70.0	0.0	70.0	0.0	327.90	11.99
	English Cucumbers	49.9	0.0	49.9	0.0	80.5	0.0	76.0	0.0	46.0	0.0	8.8	0.0	310.90	2.93
	Sweet Potatoes	50.7	0.0	49.5	0.0	117.4	0.0	130.0	0.0	132.3	0.0	10.0	0.0	491.01	24.01
	Watermelon	27.1	0.0	132.1	0.0	215.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	374.10	10.04
	Sweetmelon	15.0	0.0	50.0	0.0	15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	82.00	3.20
	Lettuce Iceberg	28.7	0.0	28.7	0.0	53.4	0.0	53.4	0.0	28.4	0.0	8.4	0.0	201.00	10.00

Source: NAB, 2023

Table 1B shows the monthly expected local and export production per production zone for Mushroom as a monitored crop.

Table 1B: Monthly expected production per area, per crop for the period 01 Feb - 30 Jun 2023													
Numbers in the table below represents tonnage expected to harvested for local and export market												Last updated: 19 Jan 2023	
PRODUCTION AREAS	CROPS	Feb-23		Mar-23		Apr-23		May-23		Jun-23		Total (for the 5 months period)	
		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	0.00	0.00
	Broccoli	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
	Mushroom	6.9	0.0	6.9	0.0	6.9	0.0	6.9	0.0	6.9	0.0	27.60	0.17
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	0.00	0.00
	Broccoli	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
	Mushroom	6.9	0.0	6.9	0.0	6.9	0.0	6.9	0.0	6.9	0.0	27.60	0.17
		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 2023

3. EXPECTED AVAILABILITY PER PRODUCER

Table 2A below indicates the expected monthly availability per producer in each respective production zone. Traders are advised to use this calendar to trace producers harvesting the product of interest and make local purchase arrangements henceforth.







TABLE: 2A																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
KEYS : BEETROOT  ENGLISH CUCUMBER  SWEET POTATO  WATERMELON  SWEETMELON  LETTUCE ICEBERG 																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
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NAME OF PRODUCER		I n f o r m a l	F o r m a l	E x p o r t	Beetroot	English Cucumber	Sweet Potato	Watermelon	Sweet melon	Lettuce Iceberg	Beetroot	English Cucumber	Sweet Potato	Watermelon	Sweet melon	Lettuce Iceber	Beetroot	English Cucumber	Sweet Potato	Watermelon	Sweet melon	Lettuce Iceberg	Beetroot	English Cucumber	Sweet Potato	Watermelon	Sweet melon	Lettuce Iceberg	Beetroot	English Cucumber	Sweet Potato	Watermelon	Sweet melon	Lettuce Iceberg	Beetroot	English Cucumber	Sweet Potato	Watermelon	Sweet melon	Lettuce Iceberg																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
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Table 2A continues.

NORTH CENTRAL AREA																																		
NAME OF A PRODUCER		Infor mal	For mal	Exp ort	1-15 Feb					16-28 Feb					Mar-23					Apr-23					May-23					Jun-23				
1	Andrease Shilomboleni	√	√																															
2	Aurelia Shikesho	√	√																															
3	Elise Auino	√	√																															
4	Emily Naunyango	√	√																															
5	Epafras Nghilengwa	√	√																															
6	Eugen Eugen	√	√																															
7	J.Steyn	√	√																															
8	Johanness Naidjala	√	√																															
9	Pupyenaye Tjavanga	√	√																															
10	Sacky Shilyomunhu	√	√																															
11	Shetuuka Shetuuka	√	√																															
12	Sylvanus Naunyango	√	√																															
13	Wilhelmina Heita	√	√																															
KARSTLAND AREA																																		
NAME OF A PRODUCER		Infor mal	For mal	Exp ort	1-15 Feb					16-28 Feb					Mar-23					Apr-23					May-23					Jun-23				
1	Gregory Groenewald	√	√																															
2	Hannes Arrangies	√	√																															
3	Jan Cronje	√	√																															
4	Mavuto Mwanza	√	√																															
5	Ndinelago Tshiguuo	√	√																															
6	Neil Jacobz	√	√																															
7	Ricky Kukuri	√	√																															

Table 2A Continues.





CENTRAL AREA																																		
NAME OF A PRODUCER		Informal	Formal	Export	1-15 Feb 2023				16-28 Feb 2023				Mar-23				Apr-23				May-23				Jun-23									
1	Adam Ndaura	✓	✓																															
2	Anton/Liza Koekemor	✓	✓																															
3	Auguste Kankono	✓	✓																															
4	Bernice van Wyk	✓	✓																															
5	Cleophas Katuuu	✓	✓																															
6	Dina Strauss	✓	✓																															
7	Ernst .H.Puturi	✓	✓																															
8	Ferdinand Nghiyolwa	✓	✓																															
9	Fritz Von Krosigk	✓	✓																															
10	Gabriel Vermeulen	✓	✓																															
11	Henk Pieters	✓	✓																															
12	Hueston Groenwaldt	✓	✓																															
13	Jaco Thomas	✓	✓																															
14	Jaco van der Westhuizen	✓	✓																															
15	Lothar Kollnitz	✓	✓																															
16	Stiaan Cleote	✓	✓																															

SOUTH AND ORANGE RIVER AREAS																																		
NAME OF PRODUCER		Informal	Formal	Export	1-15 Feb 2023				16-28 Feb 23				Mar-23				Apr-23				May-23				Jun-23									
1	Francois Van Rensburg	✓	✓																															
2	Hentie van Dyk	✓	✓																															
3	Jimmy O Kennedy	✓	✓																															
4	Vivian Mutwa	✓	✓																															

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 2023

Table 2B. Shows the availability of monitored crop: Mushroom

TABLE: 2B																																							
KEYS : CAULIFLOWER 										BROCOLLI 										MUSHROOM 																			
PERIOD: 01 Feb 2023 TO 30 Jun 2023																																							
		MARKET			Feb-23						Mar-23						Apr-23						May-23					Jun-23											
NAME OF PRODUCER		I	n	f	o	r	m	a	l	E	x	p	o	r	Cauliflower	Broccoli	Mushroom				Cauliflower	Broccoli	Mushroom				Cauliflower	Broccoli	Mushroom				Cauliflower	Broccoli	Mushroom				
CENTRAL AREA 																																							
1	Jan Conradie	√	√																																				
Kindly note: Producers not listed herein, it is either they will not be harvesting any of the three products or they did not provide the required data to NAB.																																							

Source: NAB 2023

4. EXPECTED PRODUCTION AND DEMAND ANALYSIS

Table 3A below reveals the production volume expected by local producers versus the volume demanded in the domestic market. This table seeks to inform the NAB which special controlled products are sufficient and where are the deficits. Producers are advised to take note of shortages/deficits and invest accordingly.

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: 20 Jan 2023								
Crops	Expected Surplus or Shortage	1-15 Feb	16-28 Feb	Mar-23	Apr-23	May-23	Jun-23	Total
Beetroot	Expected Tonnage for domestic market	30	25	50	83	70	70	303
	Average Domestic Demand (2022)	36	36	71	71	71	71	318
	Surplus / shortage (Tonnage)	-6	-11	-20	12	-1	-1	-15
English Cucumber	Expected Tonnage for domestic market	50	50	80	76	46	9	261
	Average Domestic Demand (2022)	44	44	87	87	87	87	390
	Surplus / shortage (Tonnage)	6	6	-6	-11	-41	-78	-129
Sweet Potato	Expected Tonnage for domestic market	51	50	117	130	132	10	440
	Average Domestic Demand (2022)	58	58	115	115	115	115	518
	Surplus / shortage (Tonnage)	-7	-8	2	15	17	-105	-77
Watermelon	Expected Tonnage for domestic market	27	132	215	0	0	0	242
	Average Domestic Demand (2022)	70	70	140	140	140	140	630
	Surplus / shortage (Tonnage)	-43	62	75	-140	-140	-140	-388
Sweet melon	Expected Tonnage for domestic market	15	50	15	0	0	0	30
	Average Domestic Demand (2022)	35	35	70	70	70	70	315
	Surplus / shortage (Tonnage)	-20	15	-55	-70	-70	-70	-285
Lettuce Iceberg	Expected Tonnage for domestic market	29	29	53	53	28	8	172
	Average Domestic Demand (2022)	38	38	75	75	75	75	338
	Surplus / shortage (Tonnage)	-9	-9	-22	-22	-47	-67	-165

Source: NAB 2023

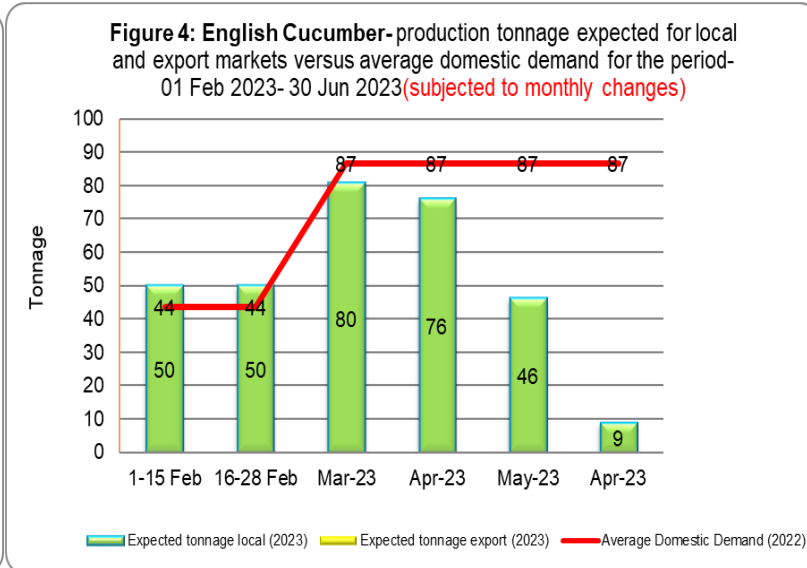
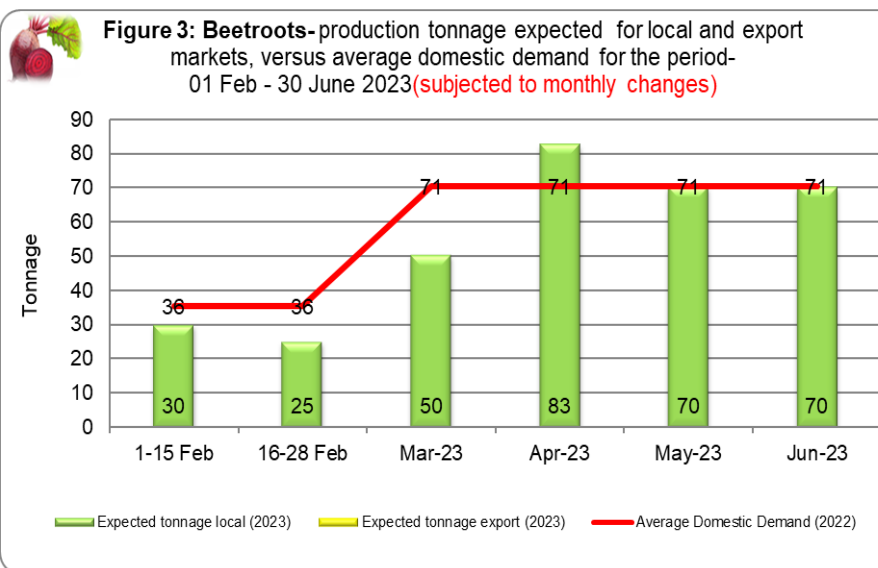
Table 3 B indicates the total tonnage available for the monitored crop: Mushroom.

Table 3B: Analysis of the total expected tonnage for domestic market versus domestic demand.							
Crops	Expected Surplus or Shortage	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Total
Cauliflower	Expected Tonnage for domestic market	0	0	0	0	0	0
	Average Domestic Demand (2022)	22	22	22	22	22	108
	Surplus / shortage (Tonnage)	-22	-22	-22	-22	-22	-108
Broccoli	Expected Tonnage for domestic market	0	0	0	0	0	0
	Average Domestic Demand (2022)	15	15	15	15	15	73
	Surplus / shortage (Tonnage)	-15	-15	-15	-15	-15	-73
Mushroom	Expected Tonnage for domestic market	7	7	7	7	7	35
	Average Domestic Demand (2022)	15	15	15	15	15	75
	Surplus / shortage (Tonnage)	-8	-8	-8	-8	-8	-41

Source NAB 2023

5. GRAPHICAL ANALYSIS

As indicated in Table 3 B, Figure 1,2,3,4,5,6,7 and 8 below shows the analysis that was done on the 6 special controlled products and 1 monitored crop i.e. mushroom.



Graphical analysis continues



Figure 5: Sweet Potatoes-production tonnage expected for local and export markets, versus average domestic demand for the period- 01 Feb - 30 Jun 2023 (subjected to monthly changes)

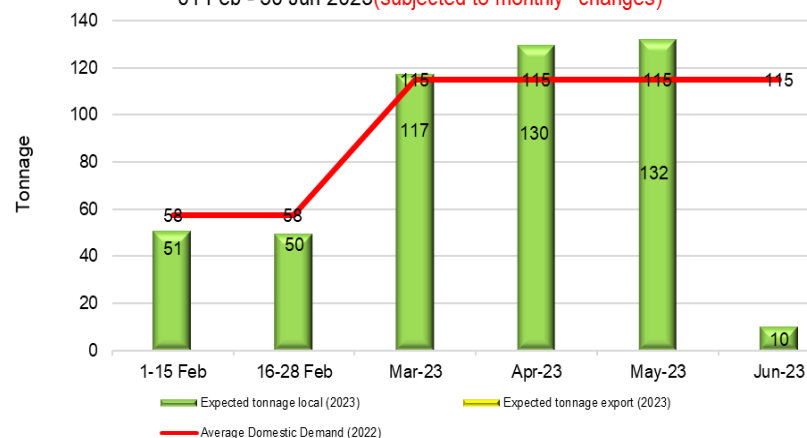


Figure 6: Watermelon- production tonnage expected for local and export markets, versus average domestic demand for the period 01 Feb 2023 - 30 Jun 2022 (subjected to monthly changes)

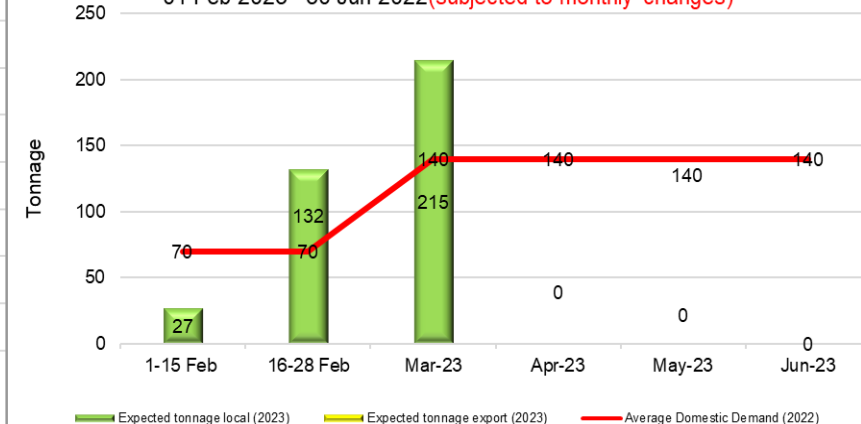


Figure 7: Sweetmelon production tonnage expected for local and export markets, versus domestic demand for the period 01 Feb 2023 - 30 Jun 2023 (subjected to monthly changes)

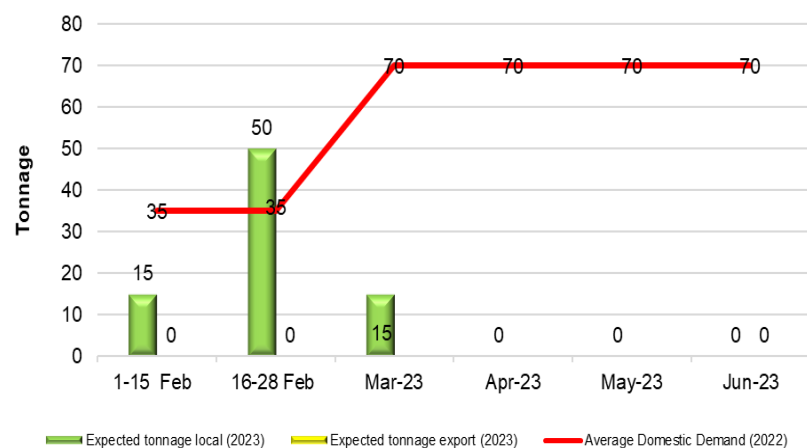
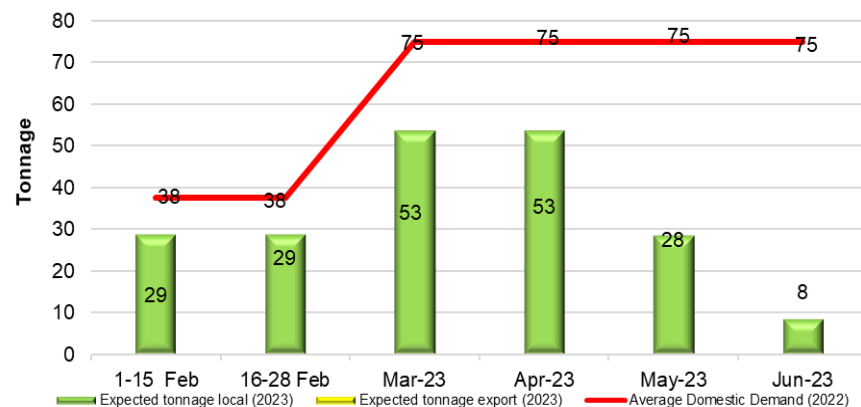
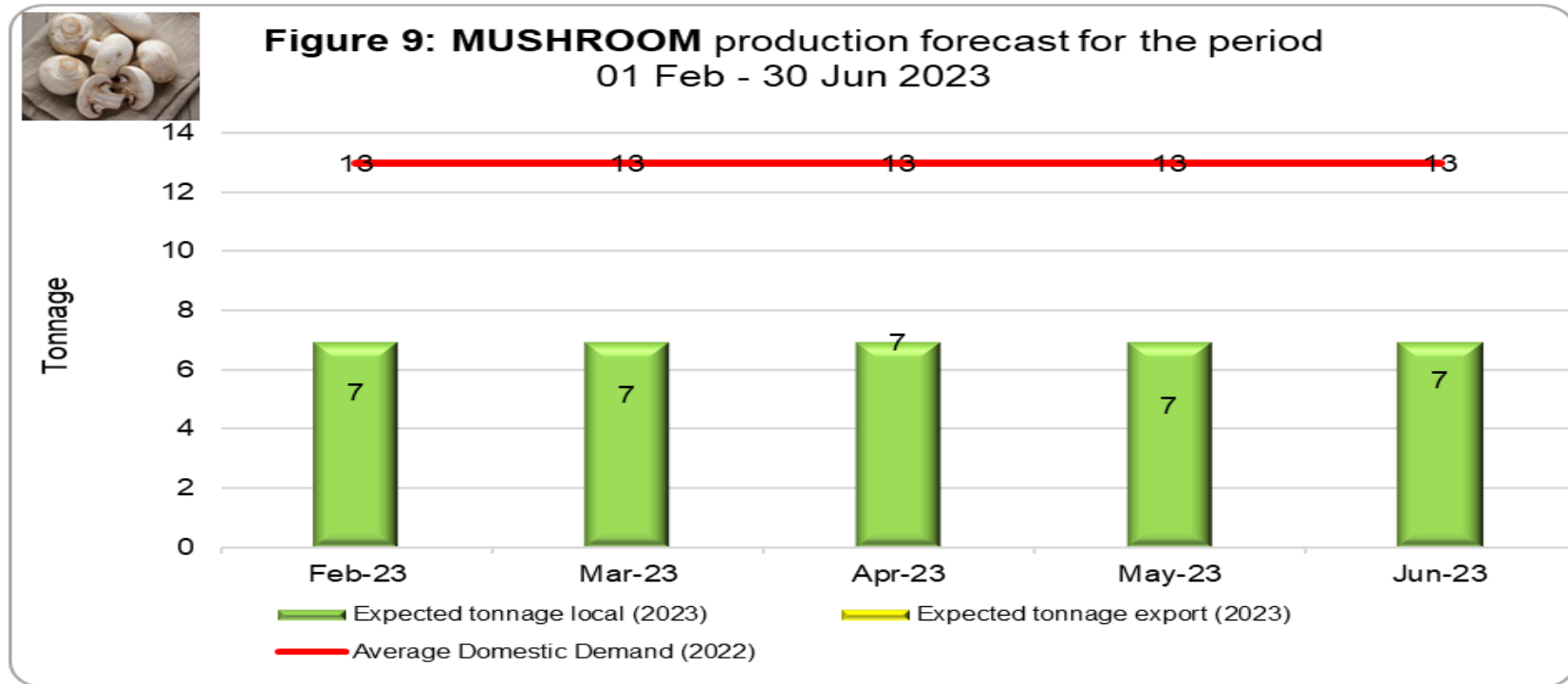


Figure 8: Lettuce Iceberg production tonnage expected for local and export markets, versus average domestic demand for the period- 01 Feb 2023 - 30 Jun 2023 (subjected to monthly changes)



Source: NAB 2023

Monitored crop Graphic analysis: Mushroom



Source: NAB 2023

6. CONCLUSION AND RECOMMENDATION

This report concludes that there will be sufficient local supply of **English cucumber (refer to shortage and surplus table 3A)**. Whereas, the borders will be closed for English cucumber, for the special import permit period 1-28 February 2023. Watermelon and sweet melon will be insufficient first two weeks of the month (February). While, Beetroot, sweet potatoes, and lettuce iceberg will be insufficient in this special permit period (February month).

Based on the above outlined conclusion, it is recommended that **English cucumber**, will be closed for importation during February month. Sweet potatoes will be open on a prorata basis of 50 %(local sourcing) and 50% (import), both lettuce iceberg and Beetroot will be open on 30% imports and 70 % local. While Watermelon and sweet melon will be sufficient from the second half week of February, therefore the borders will close from the 16-28 February only.

Please note that import restrictions are subjected to changes depending on local products availability reviewed on a regular basis. Thus, local producers are encouraged to immediately notify NAB in case of deviations from the cropping program or in the event of crop failure due to factors beyond their control. On the flip side of the coin, traders are encouraged to contact the local producers as indicated harvesting in Table 2 A& B (**availability calendar**) to place their local orders. Should a trader notice that a producer indicated in the availability calendar have no produce available, please do Notify the NAB immediately.



Cocktail/Cherry Tomato & Mini Plum



HORTICULTURE: VEGETABLES PRODUCTION FORECAST

REPORT NO 4

FORECASTED PERIOD:

01 FEBRUARY 2023 TO 30 JUNE 2023

**Agronomy and Horticulture Market Development
Division**

Horticulture Market Development Subdivision

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1. INTRODUCTION

This report covers the local production forecast for the cocktail/cherry tomato (round type) and mini plum as special controlled products. 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. Thus, this report discusses the production forecast per production area (table 1), availability of the expected crops per producer (table 2), tabulation (table 3) and graphical (figure 1) analysis for the expected production versus local demand for this reporting period

Special Controlled Product	Inclusions (Not allowed to be imported, only during open border period)	Exclusions (Allowed to be imported with no restriction)
Cocktail/Cherry Tomato	All types, grades, size groups, and container sizes of fresh, chilled, Whole or Cut red Round Cocktail/ Cherry Tomatoes , and Mini Plums , except the “Exclusions	All yellow and orange Cocktail/ Cherry Tomatoes, Cocktail/ cherry tomatoes on vine varieties (all colours), and Exotic Mixed Tomatoes. All frozen, dried, cooked, and preserved Cocktail/Cherry Tomatoes and Mini Plums Tomatoes.

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 1, indicates that, during the reporting period, cocktail/cherry tomato (round type) and mini plum will only be harvested in Central and Karst production zones.

Table 1: Monthly expected production per area, per crop for the period 01 Feb 2023 - 30 June 2023															
Numbers in the table below represents tonnage expected to harvested for local and export market														Last updated: 20 Jan 2023	
PRODUCTION AREAS	CROPS	1-15 Feb		16-28 Feb		Mar-22		Apr-23		May-23		Jun-23		Total (for the 5 months period)	
		Local	Export	Local	Export	Local	Export	Local	Export	Local	Export	Local	Export	Yield	Ha to be harvested
KARSTLAND	Cocktail/Cherry/Mini Plum tomato (round type)	2.5	0.0	2.5	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.00	0.25
CENTRAL	Cocktail/Cherry/Mini Plum tomato(round type)	19.5	0.0	19.5	0.0	35.0	0.0	11.3	0.0	0.0	0.0	0.0	0.0	85.20	1.95
Total expected production per crop per month	Cherry Tomato	22.0	0.0	22.0	0.0	40.0	0.0	11.3	0.0	0.0	0.0	0.0	0.0	95.20	2.20

Source: NAB 2023

3. EXPECTEDCTED AVAILABILITY PER PRODUCER

Table 2 below, shows the expected month of availability for the cocktail/cherry tomato (round type) and mini plum as a controlled product from various production zones.

TABLE: 2																																	
KEY : COCKTAIL/CHERRY/MINI PLUM TOMATO(ROUND TYPE) 																																	
PERIOD: 01 Febru 2023 TO 28 Feb 2023																																	
	MARKET			1-15 February				16-28 February				Mar-23				Apr-23				May-23				Jun-23									
NAME OF PRODUCER	I	n	f	Cocktail/Cherry tomato & Mini Plum					Cocktail/Cherry tomato & Mini Plum					Cocktail/Cherry tomato & Mini Plum					Cocktail/Cherry tomato & Mini Plum					Cocktail/Cherry tomato & Mini Plum					Cocktail/Cherry tomato & Mini Plum				
	o	r	m	Export																													
	a	i	a																														
KARSTLAND AREA																																	
1 Ndelitungapo Ndeitwa	√	√																															
CENTRAL AREA																																	
1 Leonie Hartman	√	√																															
2 Georgy Ellis	√	√																															
Kindly note: Producers not listed herein, it is either they will not be harvesting the products listed in the report or they did not provide the required data to NAB.																																	

Source NAB: 2023

4. EXPECTED PRODUCTION AND DEMAND ANNALYSIS

4.1 TABULATION ANALYSIS OF DOMESTIC DEMAND

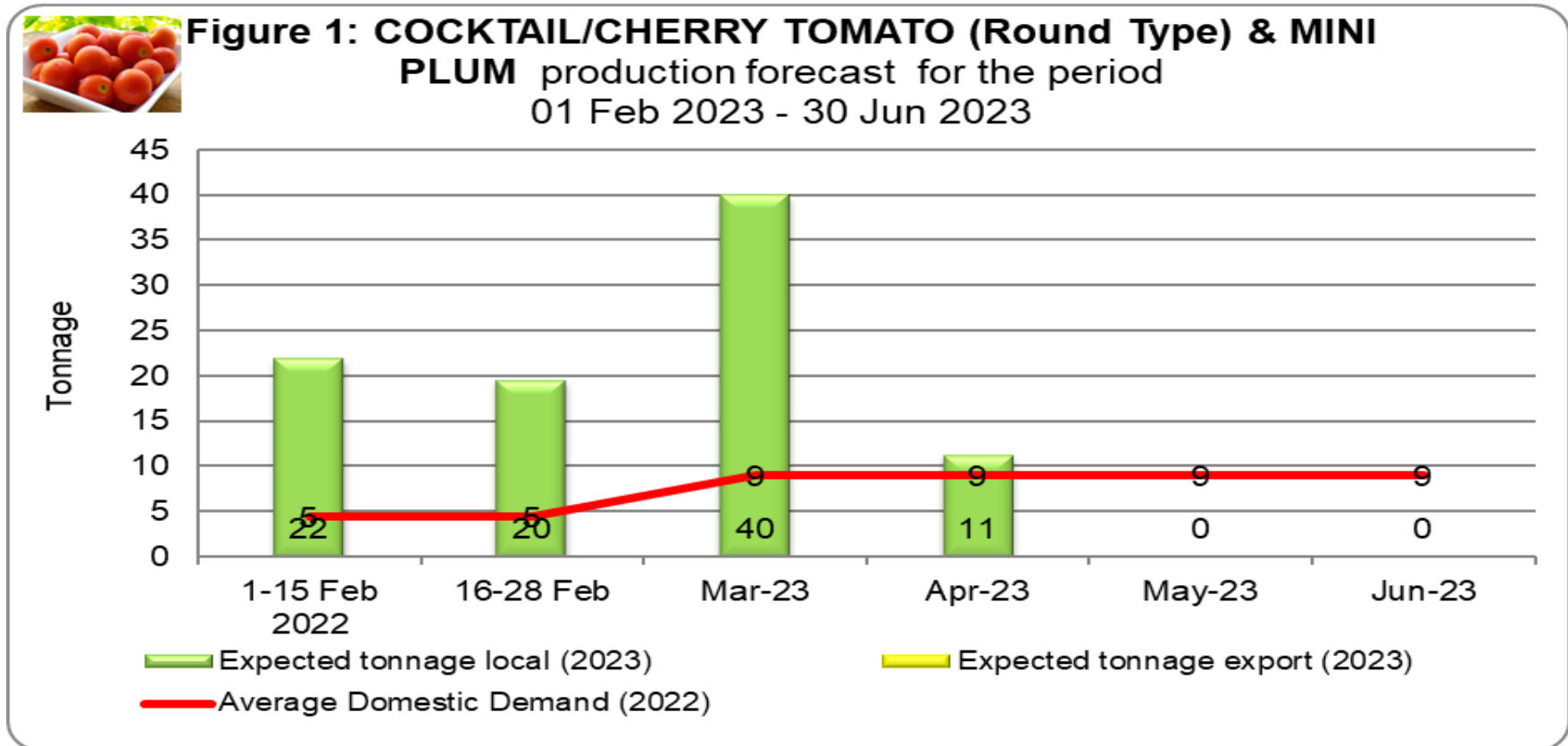
According to table 3, sufficient local supply of cocktail/cherry tomato (round type) and mini plum is expected during the months of February, March and April 2023 as indicated in the table below.

Table 3: Analysis of the total expected tonnage for domestic market versus domestic demand.								
Crops	Expected Surplus or Shortage	1-15 Feb	16-28 Feb	Mar-23	Apr-23	May-23	Jun-23	Total
Cocktail/ Cherry tomato (round type) & Mini Plum	Expected Tonnage for domestic market	22	20	35	11	0	0	53
	Average Domestic Demand (2022)	4.5	4.5	9	9	9	9	36
	Surplus / shortage (Tonnage)	17.5	15.0	26	2	-9	-9	17

Source: NAB 2023

5 GRAPHICAL ANALYSIS

Figure 1 shows that there will be sufficient local supply for Cocktail/Cherry tomato (round type) and mini plum, for the forecasted period as illustrated in the graph below.



Source: NAB 2023

6. CONCLUSION and RECOMMENDATIONS

The report indicates that there will be sufficient local supply of cocktail/cherry tomato (round type) and mini plum tomato (**refer to table 3 and figure 1**). Hence the borders will be closed for Cocktail/Cherry/Mini Plum tomato for the special import permit period 1-28 February 2023. Therefore, traders are encouraged to contact the local producers indicated in Table 2 (**availability calendar**) to make local purchase arrangement and comply with their 47% MSP requirements.

[illegible]