



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

FORECASTED PERIOD:

01 MARCH TO 31 JULY 2023

Introduction

In these three (3) production forecast reports, the local production forecast for 20 Special Controlled Products (SCP) is 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 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 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 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 MARCH TO 31 JULY 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 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, 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

Tables 2 below shows the total expected tonnage to be harvested, and hectares planted per crop per production area during the forecasted period of **01 March to 31 July 2023**.

Table 2: FIVE MONTHS EXPECTED PRODUCTION PER CROP, PER AREA FOR THE PERIOD: 01 March to 31 July 2023														
Numbers in the table below represents tonnage													Last updated: 20 February 2023	
PRODUCTION AREAS	Special controlled and monitored crops	Mar-23			Apr-23		May-23		Jun-23		Jul-23		Total (for the 5 months period)	
		01-15 Mar 23 Local	16-31 Mar 23 Local	01-31 Mar 23 Export	Local	Export	Local	Export	Local	Export	Local	Export	Yield	Ha to be harvested
ZAMBEZI REGION	Butternuts	0.34	0.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.68	0.03
	Cabbage	6.80	10.37	0.00	5.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.78	0.67
	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	1.16	1.16	0.00	2.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.61	0.16
KAVANGO REGIONS	Butternuts	2.68	0.09	0.00	17.68	0.00	25.50	0.00	0.00	0.00	0.00	0.00	45.94	2.17
	Cabbage	3.40	18.70	0.00	38.25	0.00	38.25	0.00	0.00	0.00	0.00	0.00	98.60	3.18
	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	0.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.85	0.03
	Potatoes	0.00	0.00	0.00	1.70	0.00	0.00	0.00	0.00	0.00	208.25	0.00	209.95	7.20
NORTH CENTRAL	Pumpkins	0.00	0.00	0.00	6.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.38	0.25
	Butternuts	42.50	58.65	0.00	63.92	0.00	47.77	0.00	1.70	0.00	1.70	0.00	216.24	13.53
	Cabbage	48.45	61.20	0.00	55.25	0.00	32.30	0.00	8.50	0.00	0.00	0.00	205.70	4.50
	Gem squash	0.00	4.25	0.00	8.50	0.00	1.70	0.00	0.00	0.00	0.00	0.00	14.45	0.85
	Onions	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.75	0.00	12.75	0.00	25.50	1.00
KARSTLAND	Pumpkins	0.00	8.93	0.00	5.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.03	0.55
	Butternuts	78.54	88.40	0.00	156.83	0.00	106.25	0.00	63.75	0.00	0.00	0.00	493.77	25.47
	Cabbage	166.18	101.58	0.00	334.05	0.00	452.20	0.00	314.50	0.00	170.00	0.00	1538.50	24.05
	Gem squash	0.00	0.00	0.00	4.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.25	0.25
	Onions	0.00	42.50	0.00	127.50	0.00	1768.00	170.00	1827.50	790.50	1026.38	522.75	6275.13	136.25
CENTRAL	Potatoes	0.00	0.00	0.00	476.00	0.00	127.50	0.00	845.75	0.00	425.00	0.00	1874.25	45.50
	Pumpkins	12.75	12.75	0.00	0.00	0.00	8.50	0.00	12.75	0.00	0.00	0.00	46.75	1.10
	Butternuts	25.50	25.50	0.00	69.70	0.00	31.45	0.00	19.55	0.00	0.00	0.00	171.70	7.25
	Cabbage	0.00	29.75	0.00	108.38	0.00	101.58	0.00	25.50	0.00	0.00	0.00	265.20	4.80
	Gem squash	0.00	0.00	0.00	7.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.65	0.30
SOUTH AND ORANGE RIVER	Onions	0.00	0.00	0.00	6.38	0.00	19.13	0.00	770.10	442.00	539.75	340.00	2117.35	49.40
	Potatoes	0.00	0.00	0.00	603.50	0.00	841.50	0.00	8.50	0.00	0.00	0.00	1453.50	32.70
	Pumpkins	52.70	40.80	0.00	42.50	0.00	46.75	0.00	27.20	0.00	0.00	0.00	209.95	6.85
	Butternuts	34.00	32.30	0.00	117.30	0.00	29.33	0.00	0.00	0.00	0.00	0.00	212.93	7.95
	Cabbage	57.80	55.25	0.00	129.20	0.00	97.75	0.00	63.75	0.00	63.75	0.00	467.50	9.60
Total expected production tonnage per crop per month	Gem squash	1.28	1.28	0.00	2.55	0.00	25.50	0.00	0.00	0.00	0.00	0.00	30.60	1.75
	Onions	0.00	0.00	0.00	0.00	0.00	10.20	0.00	10.20	0.00	68.00	0.00	88.40	2.50
	Pumpkins	17.00	19.55	0.00	151.30	0.00	161.50	0.00	78.20	0.00	0.00	0.00	427.55	11.45
	Butternuts	184	205	0	425	0	240	0	85	0	2	0	1141	56
	Cabbage	283	277	0	671	0	722	0	412	0	234	0	2598	47
Garlic	Gem Squash	1	6	0	23	0	27	0	0	0	0	0	57	3
	Onions	1	43	0	134	0	1787	170	2610	1233	1579	863	8419	187
	Potatoes	0	0	0	1081	0	969	0	854	0	633	0	3538	85
	Pumpkins	84	83	0	208	0	217	0	118	0	0	0	709	20
	Garlic	0	0	0	0	0	0	0	0	0	0	0	0	0

Source: NAB, 2023

3. AVAILABILITY OF THE EXPECTED CROPS PER PRODUCERS

Table 3A shows 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 March to 31 July 2023																Last updated: 20 February 2023																			
Contact Person	Target Market			01-15 Mar 2023					16-31 Mar 2023					Apr-23					May-23					Jun-23					Jul-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	Cavin Sikalumbu Mufwanzala	√	√																																
2	Charity Mulemwa Goaises	√	√																																
3	Kenneth Simasiku Sitali	√	√																																
4	Rosco Misika Lukubwe	√	√																																
KAVANGO																																			
1	Cliff Mbala	√	√																																
2	Henrick Locke	√	√																																
3	Laurentia Nkandanga	√	√																																
4	Maxwell Nghidinwa	√	√																																
5	Nangolo Henock Katanga	√	√																																
6	Pius Kapikara	√	√																																
7	Thadeus Mushambe	√	√																																
8	Wilhelm Ndungula	√	√																																
NORTH CENTRAL																																			
1	Andreas Ashimbanga	√	√																																
2	Andreas Shilomboleni	√	√																																
3	Annianias Theophilus	√	√																																
4	Asser & Taapopi Moses	√	√																																
5	Aurelia Shikesho	√	√																																
6	Elifas Nuuyoma	√	√																																
7	Elise Auino	√	√																																
8	Elkan Mungundu	√	√																																
9	Emile Marais	√	√																																
10	Immanuel Hambia	√	√																																
11	Johannes Naindjala	√	√																																
12	Junias Mwafekelange	√	√																																

Table 3A continues.....

SOUTH AND ORANGE RIVER																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
NAME OF PRODUCER		Local informal	Local Formal	Export	01-15 Mar 2023						16-31 Mar 2023						Apr-23						May-23						Jun-23						Jul-23																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
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4. EXPECTED PRODUCTION VS DEMAND ANALYSIS

4.1 TABULATION ANALYSIS

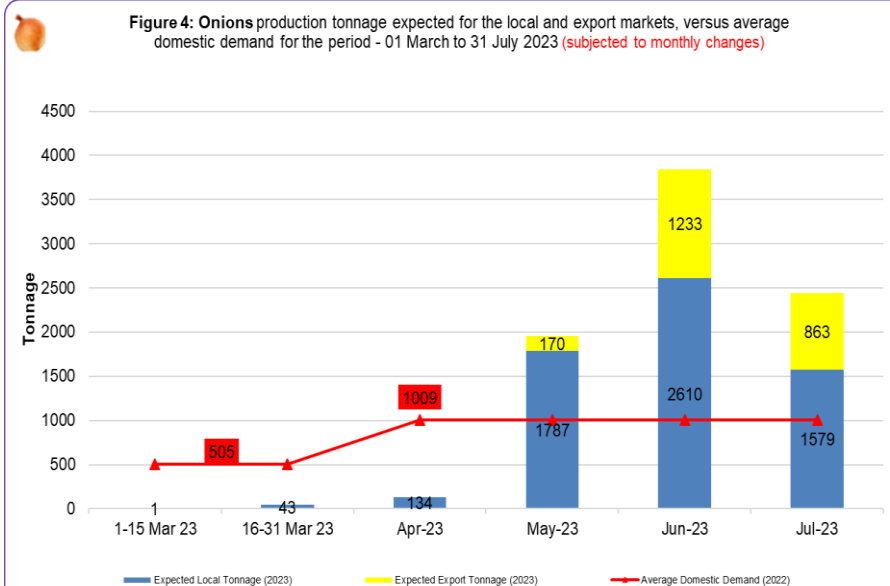
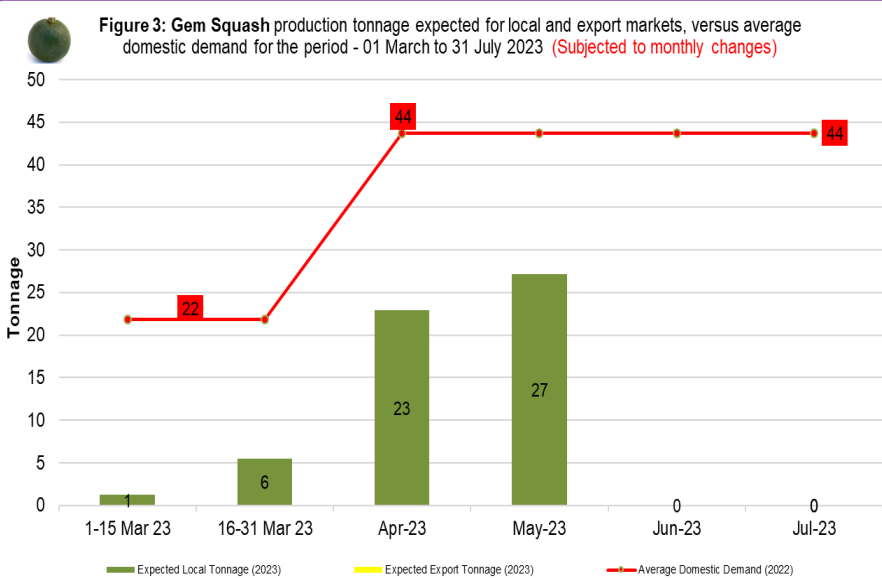
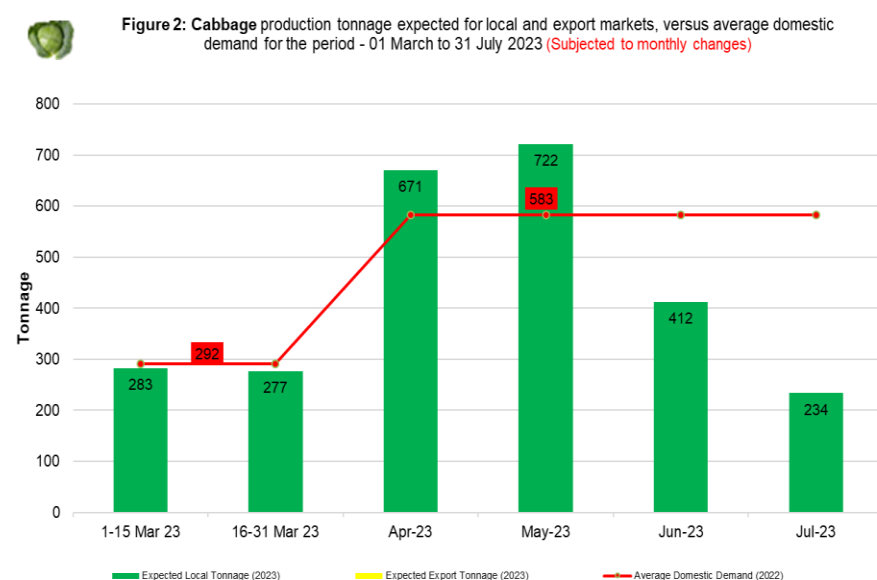
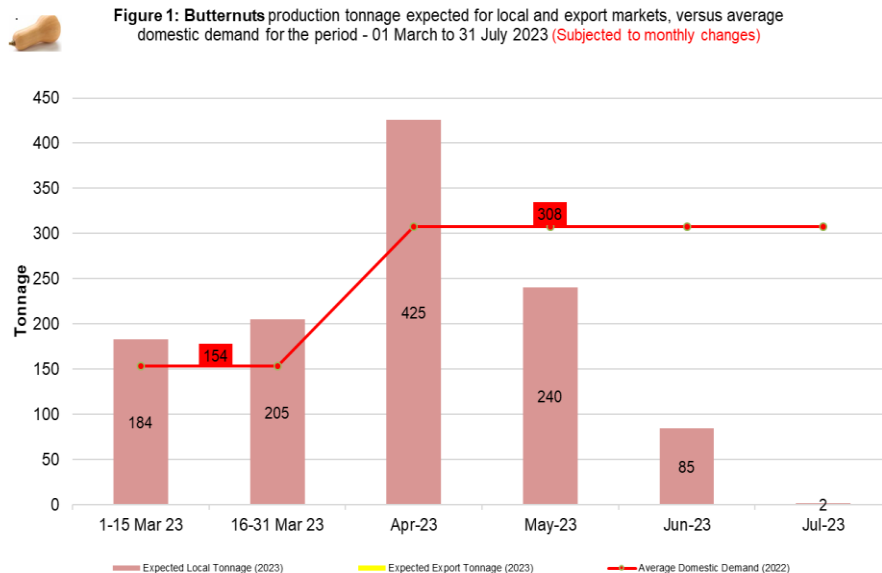
Table 4 below revealed the special controlled products in surplus and shortage for the forecasted period. The total tonnage for butternuts and Pumpkins are expected to be in surplus from 01 to 31 March 2023, whilst cabbage, gem squashes, onions and potatoes are expected to be in shortage in March 2023.

Table 4: ANALYSIS OF THE EXPECTED TONNAGE FOR DOMESTIC MARKET VERSUS AVERAGE DOMESTIC DEMAND								
Numbers in this table represents tonnage					Last updated: 20 February 2023			
Special Controlled Crops	Expected Surplus or Shortage	01-15 Mar 2023	16-31 Mar 2023	Apr-23	May-23	Jun-23	Jul-23	Total
Butternuts	Expected for domestic market	184	205	425	240	85	2	1141
	Average domestic demand	154	154	308	308	308	308	1540
	Surplus / shortage	30	51	117	-68	-223	-306	-399
Cabbage	Expected for domestic market	283	277	671	722	412	234	2598
	Average domestic demand	292	292	583	583	583	583	2915
	Surplus / shortage	-9	-15	88	139	-171	-349	-317
Gem Squash	Expected for domestic market	1	6	23	27	0	0	57
	Average domestic demand	22	22	44	44	44	44	219
	Surplus / shortage	-21	-16	-21	-17	-44	-44	-162
Onions	Expected for domestic market	1	43	134	1787	2610	1579	6154
	Average domestic demand	505	505	1009	1009	1009	1009	5046
	Surplus / shortage	-504	-462	-875	778	1601	570	1108
Potatoes	Expected for domestic market	0	0	1081	969	854	633	3538
	Average domestic demand	1,888	1888	3776	3776	3776	3776	18880
	Surplus / shortage	-1888	-1888	-2695	-2807	-2922	-3143	-15342
Pumpkins	Expected for domestic market	84	83	208	217	118	0	709
	Average domestic demand	59	59	117	117	117	117	586
	Surplus / shortage	25	25	90	100	1	-117	124

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** show that butternuts and pumpkins are expected to be in surplus, whereas **figure 2, 3, 4 and 5** show that cabbage, gem squashes, onions, and potatoes are expected to be insufficient to meet the local demand in March 2023.



Graphical analysis figures continue...



Colour Pepper



Tomato Round



Tomato Jam



Cherry Tomato



Green Pepper



Spinach



Carrot



HORTICULTURE: VEGETABLES PRODUCTION FORECAST

REPORT NO.2

FORECASTED PERIOD:
01 MARCH 2023 TO 31 JULY 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 Cocktail/Cherry Tomato**. 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 Round and Jam	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.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.
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 Jam, 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 Mar 23		16-31 Mar 23		Apr-23		May-23		Jun-23		Jul-23		Totals	
		Local	Export	Local	Export	Local	Export	Local	Export	Local	Export	Local	Export	Expected tonnage	Hectares planted
ZAMBEZI	Tomato Round	1.4	0.0	1.4	0.0	2.9	0.0	0.8	0.0	0.3	0.0	0.3	0.0	7.0	0.7
	Tomato Jam	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.5	0.0	0.0	0.0	0.7	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	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
	Coloured Pepper	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Spinach	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
	Cherry Tomato	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	1.9	0.0	1.9	0.0	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5	0.5
	Tomato Jam	3.8	0.0	5.8	0.0	33.4	0.0	6.4	0.0	3.0	0.0	0.0	0.0	52.3	1.5
	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	5.0	0.0	5.7	0.0	4.6	0.0	1.5	0.0	2.0	0.0	0.6	0.0	19.5	1.6
	Coloured Pepper	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Spinach	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Cherry Tomato	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	57.3	0.0	59.4	0.0	93.0	0.0	97.7	0.0	11.3	0.0	0.0	0.0	318.8	10.5
	Carrot	0.5	0.0	0.5	0.0	1.0	0.0	6.0	0.0	7.0	0.0	1.0	0.0	16.0	0.8
	Green Pepper	4.9	0.0	7.3	0.0	11.3	0.0	9.5	0.0	4.7	0.0	2.6	0.0	40.2	2.0
	Coloured Pepper	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Spinach	0.7	0.0	0.7	0.0	1.1	0.0	1.1	0.0	1.1	0.0	0.8	0.0	5.6	0.4
	Cherry Tomato	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	2.0	0.0	2.0	0.0	3.3	0.0	11.7	0.0	5.0	0.0	0.0	0.0	24.0	0.8
	Tomato Jam	38.3	0.0	93.4	0.0	174.0	0.0	157.0	0.0	58.7	0.0	0.0	0.0	521.5	15.6
	Carrot	135.0	0.0	175.0	0.0	250.0	0.0	310.0	0.0	260.0	0.0	100.0	0.0	1230.0	28.5
	Green Pepper	34.9	0.0	43.9	0.0	85.4	0.0	68.7	0.0	0.8	0.0	0.0	0.0	233.6	9.9
	Coloured Pepper	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.2	0.0	0.0	0.0	0.5	0.0
	Spinach	0.4	0.0	0.4	0.0	0.4	0.0	0.8	0.0	0.4	0.0	0.4	0.0	2.9	0.3
	Sweetcorn	3.5	0.0	3.5	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.0	0.8
CENTRAL	Tomato Round	109.3	0.0	114.0	0.0	232.3	0.0	230.2	0.0	118.0	0.0	62.4	0.0	866.2	16.9
	Tomato Jam	8.2	0.0	17.4	0.0	56.9	0.0	39.9	0.0	17.3	0.0	5.0	0.0	144.5	4.1
	Carrot	17.5	0.0	17.5	0.0	35.0	0.0	50.0	0.0	35.0	0.0	43.0	0.0	198.0	5.7
	Green Pepper	21.3	0.0	21.3	0.0	47.1	0.0	31.6	0.0	9.4	0.0	9.4	0.0	140.1	6.8
	Coloured Pepper	76.0	0.0	76.0	0.0	152.0	0.0	152.0	0.0	152.0	0.0	152.0	0.0	760.0	17.0
	Spinach	3.6	0.0	3.6	0.0	7.2	0.0	5.6	0.0	5.6	0.0	1.6	0.0	27.3	3.1
	Cherry Tomato	1.9	0.0	1.9	0.0	3.5	0.0	2.5	0.0	0.0	0.0	0.0	0.0	9.7	1.0
SOUTH AND ORANGE RIVER	Tomato Round	10.6	0.0	10.6	0.0	20.4	0.0	19.4	0.0	4.4	0.0	0.0	0.0	65.2	2.7
	Tomato Jam	1.8	0.0	1.8	0.0	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.4
	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	4.8	0.0	4.8	0.0	9.5	0.0	4.0	0.0	4.0	0.0	0.0	0.0	27.0	1.5
	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	0.5	0.0	0.0	0.0	1.1	0.0	1.1	0.0	1.1	0.0	1.1	2.0	4.9	0.2
	Cherry Tomato	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
Total expected per crop per month	Tomato Round	125.0	0.0	129.8	0.0	262.6	0.0	262.0	0.0	127.7	0.0	62.8	0.0	969.9	21.5
	Tomato Jam	109.3	0.0	177.7	0.0	360.8	0.0	301.2	0.0	90.8	0.0	5.0	0.0	1044.8	32.0
	Carrot	153.4	0.0	193.4	0.0	286.0	0.0	366.0	0.0	302.0	0.0	144.0	0.0	1444.8	35.1
	Green Pepper	70.8	0.0	82.9	0.0	157.9	0.0	115.3	0.0	20.9	0.0	12.6	0.0	460.5	21.8
	Coloured Pepper	76.0	0.0	76.0	0.0	152.0	0.0	152.2	0.0	152.2	0.0	152.0	0.0	760.5	17.0
	Spinach	5.3	0.0	4.8	0.0	9.9	0.0	8.6	0.0	8.3	0.0	4.0	2.0	40.7	4.0
	Cherry Tomato	5.4	0.0	5.4	0.0	9.5	0.0	2.5	0.0	0.0	0.0	0.0	0.0	22.7	1.70

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 =  Cocktail/Cherry Tomato = 																																	
ZAMBEZI AREA																																	
01 to 15 Mar 202316 to 31 Mar 2023Apr-23May-23Jun-23Jul-23																																	
Tomato RoundTomato JamCocktail/Cherry TomatoGreen PepperColoured PepperSpinachCarrotTomato RoundTomato JamCocktail/Cherry TomatoGreen PepperColoured PepperSpinachCarrotTomato RoundTomato JamCocktail/Cherry TomatoGreen PepperColoured PepperSpinachCarrotTomato RoundTomato JamCocktail/Cherry TomatoGreen PepperColoured PepperSpinachCarrotTomato RoundTomato JamCocktail/Cherry TomatoGreen PepperColoured PepperSpinachCarrot																																	
SN	Name of Producer	Local	Export																														
1	Bernald Silwabubi	✓																															
2	Bernard Sitali	✓																															
3	Clement Mulyokela	✓																															
4	Fernando Baptista	✓																															
5	Joseph Simataa	✓																															
6	Kenneth Siamisiko Sitali	✓																															
7	Lucious Tuyuve	✓																															
8	Nelamo Ibalelo	✓																															
9	Shylock Sinvula	✓																															
KAVANGO AREA																																	
01 to 15 Mar 202316 to 31 Mar 2023Apr-23May-23Jun-23Jul-23																																	
Name of Producer																																	
1	Bernhard Kudumo	✓																															
2	Cliff Mbala	✓																															
3	Elizabeth Kambinda	✓																															
4	Henock Katanga	✓																															
5	Henrick Locke	✓																															
6	Jonathan Mukwangu	✓																															
7	Manfred Thikusho	✓																															
8	Maxwell Nghidinwa	✓																															
9	Pauline Ndumba	✓																															
10	Pius Kapikara	✓																															
11	Raphael Kampanza	✓																															
12	Theophilus Linyando	✓																															
13	Wilhelm Nduvula	✓																															

Table 3 continued...
















































































































































































NORTH CENTRAL AREA																																	
	Name of Producer			01 to 15 Mar 2023					16 to 31 Mar 2023					Apr-23					May-23					Jun-23					Jul-23				
1	Abraham Hamukwaya	✓																															
2	Andreas Ashimbanga	✓																															
3	Anton Joseph	✓																															
4	Aurelia Shikesho	✓																															
5	Eliasel Esra Nambinga	✓																															
6	Elise Auino	✓																															
7	Junias Mwafekelange	✓																															
8	Karoline Paavo	✓																															
9	Lonia & Abraham Ismael	✓																															
10	Lucas Moongela	✓																															
11	Ndasilohenda Nakashwa	✓																															
12	Olavi Hamutumwa	✓																															
13	Onesmus Alalicky Jordan	✓																															
14	Panduleni Mule	✓																															
15	Paulus Amutenya	✓																															
16	Paulus Titus	✓																															
17	Petrus Matheus	✓																															
18	Pupenyaye Tjavanga	✓																															
19	Shikesho Benjamin	✓																															
20	Silvanus Naunyango	✓																															
21	Tauno Hafeni Shikomba	✓																															
22	Thomas Tangeri Negonga	✓																															
23	Willem Ankama	✓																															
KARST AREA																																	
	Name of Producer			01 to 15 Mar 2023					16 to 31 Mar 2023					Apr-23					May-23					Jun-23					Jul-23				
1	CD Shifotoka	✓																															
2	Chris Coston	✓																															
3	David Shifotoka	✓																															
4	Elizabeth Nekundi	✓																															
5	Ellenora Muranda	✓																															
6	Franklin Mate	✓																															
7	Geoffery Shekupe	✓																															
8	Gerhard Sachse	✓																															
9	Gero Hirsch	✓																															
10	Gregory Groenewald	✓																															
11	Jan Cronje	✓																															
12	Johann A. Cloete	✓																															
13	Juliana Gericke	✓																															
14	Kuhn Willem Schalk	✓																															
15	Ludwig Kapingana	✓																															

Table 3 continued...

[illegible]

Table 3 continued...

[illegible]

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, Cocktail/Cherry Tomato, Green Pepper and Colour Pepper, are expected to be Sufficient in the entire permit period of 01 to 31 March 2023. While Carrot, Spinach and Tomato Round will be insufficient in this permit period, of 01 to 31 March 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 Mar 23	16-31 Mar 23	Apr-23	May-23	Jun-23	Jul-23	TOTAL
Tomato Round	Expected for Domestic Market	125.0	129.8	262.6	262.0	127.7	62.8	969.9
	Average Domestic Demand	214.7	214.7	429.4	429.4	429.4	429.4	2146.9
	Surplus /Shortage	-89.7	-84.9	-166.7	-167.4	-301.7	-366.6	-1176.9
Tomato Jam	Expected for Domestic Market	109.3	177.7	360.8	301.2	90.8	5.0	1044.8
	Average Domestic Demand	4.7	4.7	9.5	9.5	9.5	9.5	47.4
	Surplus /Shortage	104.6	173.0	351.3	291.7	81.3	-4.5	997.3
Carrot	Expected for Domestic Market	153.4	193.4	286.0	366.0	302.0	144.0	1444.8
	Average Domestic Demand	214.2	214.2	428.3	428.3	428.3	428.3	2141.6
	Surplus /Shortage	-60.8	-20.8	-142.3	-62.3	-126.3	-284.3	-696.8
Green Pepper	Expected for Domestic Market	70.8	82.9	157.9	115.3	20.9	12.6	460.5
	Average Domestic Demand	22.3	22.3	44.6	44.6	44.6	44.6	222.8
	Surplus /Shortage	48.6	60.7	113.4	70.7	-23.6	-32.0	237.7
Colour Pepper	Expected for Domestic Market	76.0	76.0	152.0	152.2	152.2	152.0	760.5
	Average Domestic Demand	38.5	38.5	77.0	77.0	77.0	77.0	384.9
	Surplus /Shortage	37.5	37.5	75.0	75.3	75.3	75.0	375.6
Cherry Tomato	Expected for Domestic Market	5.4	5.4	9.5	2.5	0.0	0.0	22.7
	Average Domestic Demand	5.0	5.0	9.9	9.9	9.9	9.9	49.7
	Surplus /Shortage	0.4	0.4	-0.4	-7.4	-9.9	-9.9	-27.0
Spinach	Expected for Domestic Market	5.3	4.8	9.9	8.6	8.3	4.0	40.7
	Average Domestic Demand	13.6	13.6	27.1	27.1	27.1	27.1	135.6
	Surplus /Shortage	-8.3	-8.8	-17.3	-18.5	-18.9	-23.2	-94.9

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, Cherry Tomato, Green and Colour Pepper from 01 to 31 March 2023 permit period. The Carrot, Spinach and Tomato Round will be insufficient in this permit period.



Figure 1: **Tomato Round** production tonnage expected for local and export markets, versus average domestic demand for the period: 01 March 2023 to 31 July 2023
(Subjected to monthly changes)

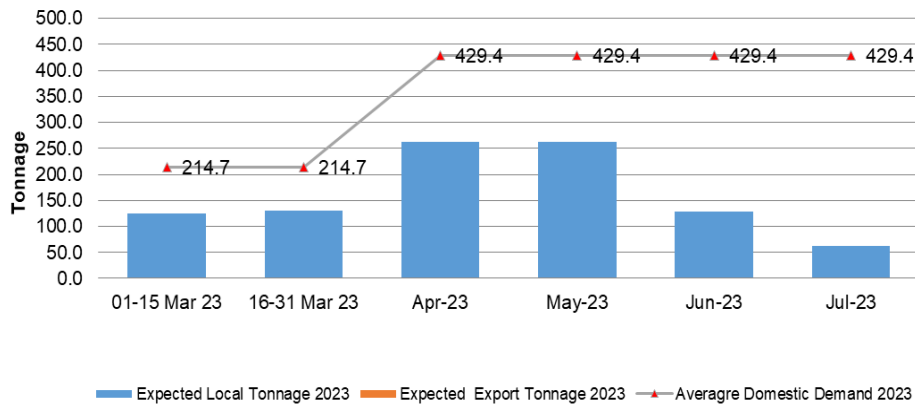


Figure 2: **Tomato Jam** production tonnage expected for local and export markets, versus average domestic demand for the period: 01 March 2023 to 31 July 2023
(Subjected to monthly changes)

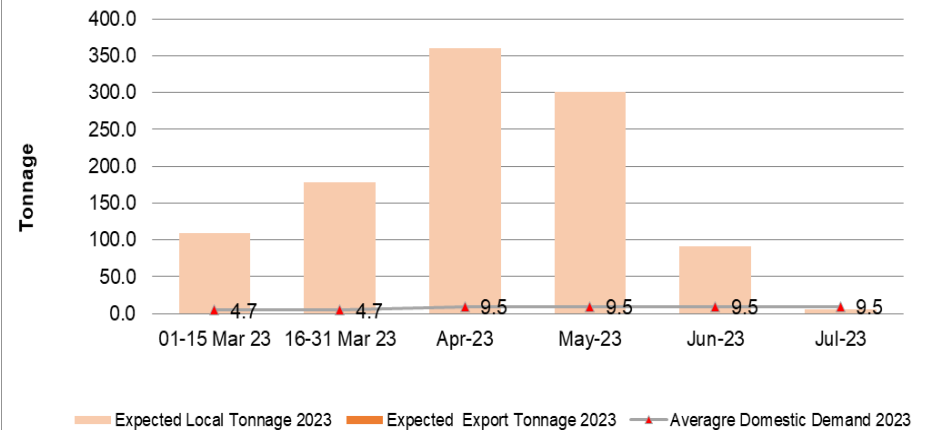


Figure 3: **Carrot** Production tonnage expected for local and export market, versus average domestic demand for the period :01 March 2023 to 31 July 2023.
(Subjected to monthly changes)

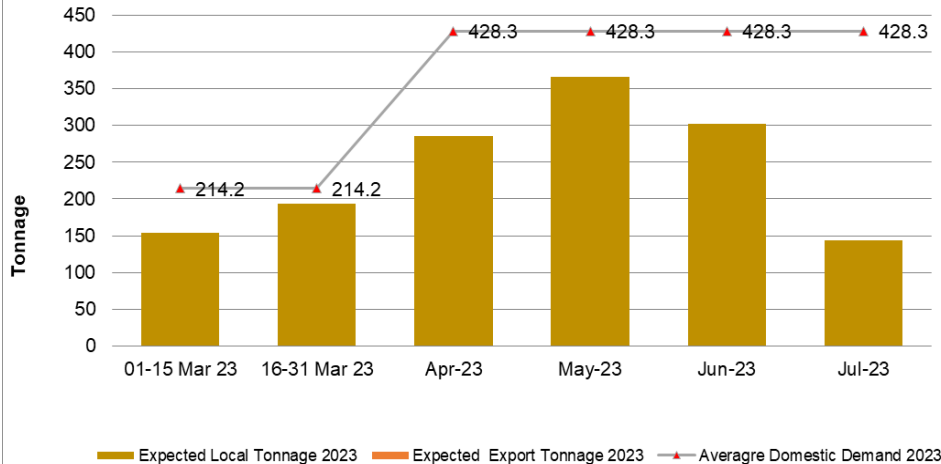


Figure 4: **Green Pepper** Production tonnage expected for local and export market, versus average domestic demand for the period : 01 March 2023 to 31 July 2023.
(Subjected to monthly changes)

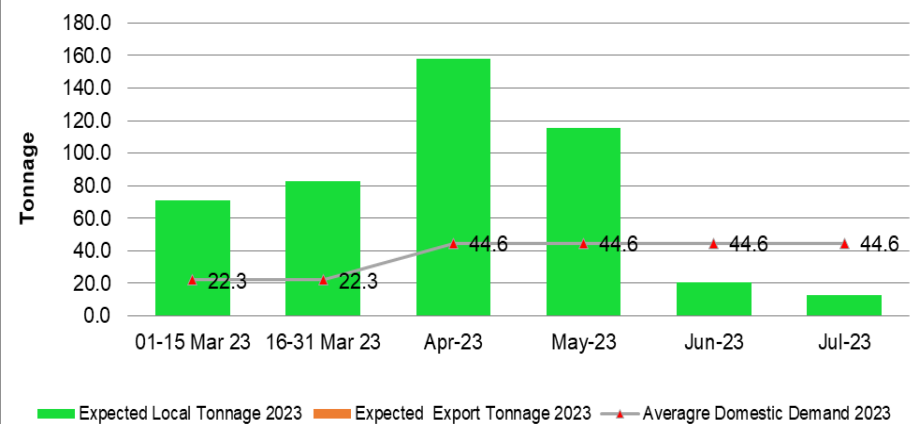




Figure 5: **Cocktail/Cherry Tomato** Production tonnage expected for local and export market, versus average domestic demand for the period: 01 March 2023 to 31 July 2023. (Subjected to monthly changes)

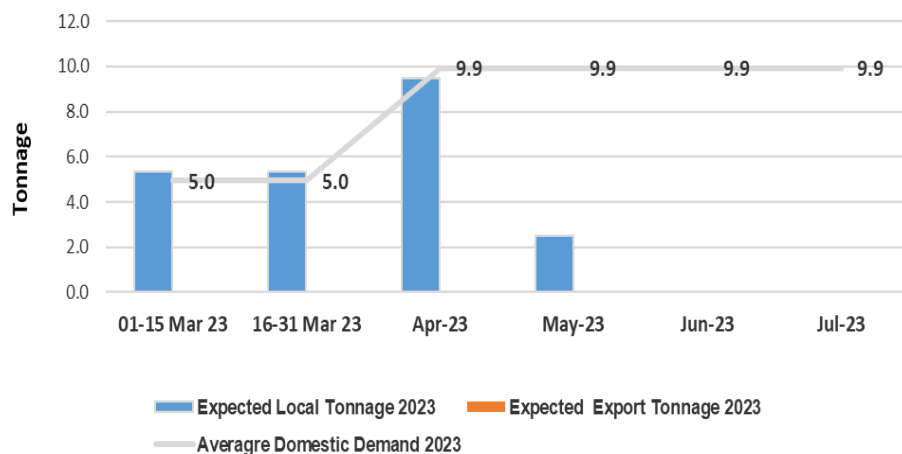


Figure 6: **Colour Pepper** Production tonnage expected for local and export market, versus average domestic demand for the period : 01 March 2023 to 31 July 2023. (Subjected to monthly changes)

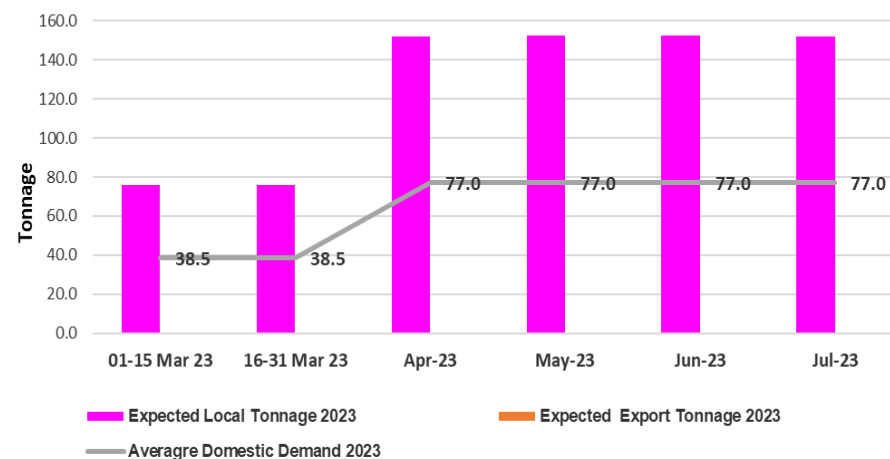
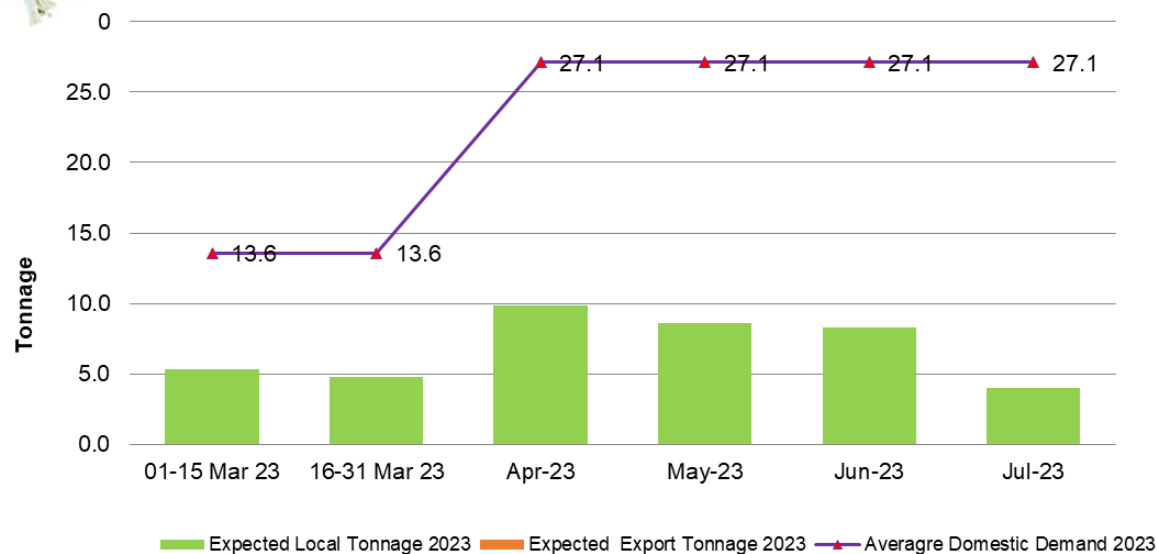


Figure 7 : **Spinach** Production tonnage expected for local and export market, versus average domestic demand for the period : 01 March 2023 to 31 July 2023. (Subjected to monthly changes)



5. CONCLUSIONS AND RECOMMENDATIONS

This report indicates sufficient supply of Tomato Jam, Cocktail/Cherry Tomato, Green Pepper and Color Pepper for the entire special permit period of 01 to 31 March 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 31 March 2023. It is therefore recommended that borders open on prorata for importation of Tomato Round (50:50), Carrot (30:70), and Spinach (60:40) 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.

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HORTICULTURE: VEGETABLES PRODUCTION FORECAST

REPORT NO 3

FORECASTED PERIOD:

01 March 2023 TO 31 Jul 2023

**Agronomy and Horticulture Market Development
Division**

Horticulture Market Development Subdivision

Enquiries: Ms. Selma M Uahengo

Cell: +264 812265234

Email: Selma.Uahengo@nab.com.na

1. INTRODUCTION

Report no. 3, covers the local production forecast for the six (7) special controlled products such as Beetroot, **English Cucumber**, **Sweet Potato**, **Watermelon**, **Sweet melon**, **Sweetcorn** 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.
Sweetcorn	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

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 Mar 2023 - 31 Jul 2023															
Numbers in the table below represents tonnage expected to harvested for local and export market														Last updated: 21 Feb 2023	
PRODUCTION AREAS	CROPS	1-15 Mar 23		16-31 Mar 23		Apr-23		May-23		Jun-23		Jul-23		Total (for the 5 months period)	
		Local	Export	Local	Export	Local	Export	Local	Export	Local	Export	Local	Export	Yield	Ha to be harvested
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	11.3	0.0	16.4	0.0	19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.33	2.36
	Watermelon	0.0	0.0	0.0	0.0	0.0	0.0	4.7	0.0	1.2	0.0	0.0	0.0	5.92	0.15
	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
	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	0.00	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
NORTH CENTRAL	Beetroot	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	0.25
	English Cucumbers	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
	Sweet Potatoes	90.3	0.0	16.4	0.0	66.5	0.0	26.1	0.0	4.0	0.0	0.0	0.0	203.25	10.57
	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	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.25	0.15
	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	0.00	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	30.0	0.0	30.0	0.0	70.0	0.0	85.0	0.0	85.0	0.0	70.0	0.0	370.00	15.00
	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	65.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	85.00	2.25
	Watermelon	45.0	0.0	45.0	0.0	4.5	0.0	4.5	0.0	0.0	0.0	0.0	0.0	99.00	2.00
	Sweetmelon	7.5	0.0	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0	16.50	0.85
	Sweetcorn	5.9	0.0	5.9	0.0	7.8	0.0	7.8	0.0	1.8	0.0	1.8	0.0	30.74	5.25
	Lettuce Iceberg	9.0	0.0	9.0	0.0	18.0	0.0	18.0	0.0	18.0	0.0	18.0	0.0	90.85	5.50

Table 1 A continues...

CENTRAL	Beetroot	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.00	0.15
	English Cucumbers	52.8	0.0	52.8	0.0	105.6	0.0	107.4	0.0	72.0	0.0	60.0	0.0	450.60	9.13
	Sweet Potatoes	0.0	0.0	0.0	0.0	27.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.00	0.90
	Watermelon	10.0	0.0	0.0	0.0	80.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	90.00	1.22
	Sweetmelon	0.0	0.0	0.0	0.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.00	1.00
	Sweetcorn	4.5	0.0	2.1	0.0	4.5	0.0	3.5	0.0	0.0	0.0	0.0	0.0	14.60	1.20
	Lettuce Iceberg	17.3	0.0	17.3	0.0	32.5	0.0	40.0	0.0	36.5	0.0	36.5	0.0	180.00	8.35
SOUTH AND ORANGE RIVER	Beetroot	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.00	0.50
	English Cucumbers	0.0	0.0	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.50	0.30
	Sweet Potatoes	30.0	0.0	35.0	0.0	30.0	0.0	30.0	0.0	30.0	0.0	0.0	0.0	205.00	5.00
	Watermelon	0.0	0.0	0.0	0.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.00	0.50
	Sweetmelon	0.0	0.0	0.0	0.0	15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.00	0.50
	Sweetcorn	7.0	0.0	9.5	9.5	23.5	0.0	7.0	0.0	7.0	0.0	0.0	0.0	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
Total expected production per crop per month	Beetroot	56.0	0.0	35.0	0.0	70.0	0.0	85.0	0.0	85.0	0.0	70.0	0.0	401.00	15.90
	English Cucumbers	52.8	0.0	57.3	0.0	105.6	0.0	107.4	0.0	72.0	0.0	60.0	0.0	455.10	9.43
	Sweet Potatoes	131.6	0.0	67.8	0.0	207.5	0.0	76.1	0.0	34.0	0.0	0.0	0.0	550.58	21.07
	Watermelon	55.0	0.0	45.0	0.0	124.5	0.0	9.2	0.0	1.2	0.0	0.0	0.0	234.92	3.87
	Sweetmelon	7.5	0.0	2.3	0.0	45.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0	64.81	2.59
	Sweetcorn	17.4	0.0	17.5	9.5	35.8	0.0	18.3	0.0	8.8	0.0	1.8	0.0	45.34	6.45
	Lettuce Iceberg	26.3	0.0	26.3	0.0	50.5	0.0	58.0	0.0	54.5	0.0	54.5	0.0	270.85	13.85

Source: NAB, 2023

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

Table 1B: Monthly expected production per area, per crop for the period 01 Feb - 31 Junl 2023													
Numbers in the table below represents tonnage expected to harvested for local and export market												Last updated: 21 Feb 2023	
PRODUCTION AREAS	CROPS	Mar-23		Apr-23		May-23		Jun-23		Jul-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	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.75	0.02
CENTRAL	Cauliflower	0.0	0.0	0.0	0.0	14.5	0.0	16.5	0.0	14.5	0.0	45.50	3.45
	Broccoli	0.0	0.0	0.0	0.0	14.5	0.0	16.5	0.0	14.5	0.0	45.50	4.35
	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
SOUTH AND ORANGE RIVER	Cauliflower	0.0	0.0	0.0	0.0	2.4	0.0	8.0	0.0	0.0	0.0	18.40	2.30
	Broccoli	0.0	0.0	0.0	0.0	4.0	0.0	9.2	0.0	0.0	0.0	22.40	2.25
	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
Total expected production per crop per month	Cauliflower	0.8	0.0	0.0	0.0	16.9	0.0	24.5	0.0	14.5	0.0	64.65	5.77
	Broccoli	0.0	0.0	0.0	0.0	18.5	0.0	25.7	0.0	14.5	0.0	67.90	6.60
	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 2022

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  Sweetcorn 																																							
PERIOD: 01 Mar 2023 TO 31 Jul 2023																																							
MARKET				1-15 Mar -23					16-31 Mar -23					Apr-23					May-23					Jun-23					Jul-23										
NAME OF PRODUCER	Informal	Formal	Export	Beetroot	English Cucumber	Sweet Potato	Watermelon	Sweet melon	Sweetcorn	Lettuce Iceberg	Beetroot	English Cucumber	Sweet Potato	Watermelon	Sweet melon	Sweetcorn	Lettuce Iceber	Beetroot	English Cucumber	Sweet Potato	Watermelon	Sweet melon	Sweetcorn	Lettuce Iceberg	Beetroot	English Cucumber	Sweet Potato	Watermelon	Sweet melon	Sweetcorn	Lettuce Iceberg	Beetroot	English Cucumber	Sweet Potato	Watermelon	Sweet melon	Sweetcorn	Lettuce Iceber	
KAVANGO AREA																																							
NAME OF A PRODUCER		Local Informal	Local Formal	Export	1-15 Mar 2023					16-31 Mar 2023					Apr-23					May-23					Jun-23					Jul-23									
1	Andreas Kashekele	✓	✓																																				
2	Henock Katanga	✓	✓																																				
3	Mukuve Hausiku	✓	✓																																				
4	Ngalaule Peleko	✓	✓																																				
5	Ngobe Regina	✓	✓																																				
NORTH CENTRAL AREA																																							
NAME OF A PRODUCER		Local Informal	Local Formal	Export	1-15 Mar 2023					16-31 Mar 2023					Apr-23					Jun-23					Jun-23					Jul-23									
1	Absalom Itumba	✓	✓																																				
2	Andrease Ashimbanga	✓	✓																																				
3	Aurelia Shikesho	✓	✓																																				
4	Eliasel Esra Nambinga	✓	✓																																				
5	Elifas Nuuyoma	✓	✓																																				
6	Elise Auino	✓	✓																																				
7	Elkan Mungundu	✓	✓																																				
8	Emily Naunyango	✓	✓																																				
9	Immanuel Hambiya	✓	✓																																				

Table 2A continues.....

[illegible]

KARSTLAND AREA



































































































































































































































































































































NAME OF A PRODUCER		Local Informal	Local Formal	Export	1-15 Mar 2023				16-31 Mar 2023				Apr-23				May-22				Jun-22				Jul-23							
1	Dirk van Der Berg	✓	✓																													
2	Gregory Groenewald	✓	✓																													
3	Hannes Arrangies	✓	✓																													
4	Jan Cronje	✓	✓																													
5	Mavuto Mwanza	✓	✓																													
6	Ndinelago Tshiguuo	✓	✓																													
7	Neil Jacobz	✓	✓																													
8	Paulus Halwoodi Andrea	✓	✓																													
9	Ricky Kukuri	✓	✓																													
10	Sabine Blume	✓	✓																													

Table 2A....

KARSTLAND AREA																																																																																																																																																																																																																																																
NAME OF A PRODUCER		Local Informal	Local Formal	Export	1-15 Mar 2023					16-31 Mar 2023					Apr-23					May-22					Jun-22					Jul-23																																																																																																																																																																																																																		
1	Dirk van Der Berg	✓	✓																																																																																																																																																																																																																																													

Source: NAB 2023

Table 2B. Shows the availability of monitored crop: Mushroom, Cauliflower and Broccoli

TABLE: 2B																																
KEYS : CAULIFLOWER 										BROCCOLI 					MUSHROOM 																	
PERIOD: 01 Mar 2023 TO 30 Jul 2023																																
		MARKET			Mar-23					Apr-23					May-23					Jun-23					Jul-23							
NAME OF PRODUCER		I n f o r m a t i o n	F o r m a t i o n	E x p o r t																												
NORTH CENTRAL AREA																																
1	Lonia & Abraham Ismael	✓	✓																													
CENTRAL AREA																																
1	Jaco Thomas	✓	✓																													
2	Johanness Meyer	✓	✓																													
3	Jan Conradie	✓	✓																													
4	Lothar Kollnitz	✓	✓																													
SOUTH AND ORANGE RIVER AREAS																																
1	Elmarie van Rensburg	✓	✓																													
2	Francois Van Resnburg	✓	✓																													
3	Herman van Dyk	✓	✓																													
4	Hoekes van Nierkerk	✓	✓																													
8	Jimmy O Kennedy	✓	✓																													
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 Feb 2022								
Crops	Expected Surplus or Shortage	1-15 Mar 23	16-31 Mar 23	Apr-23	May-23	Jun-23	Jul-23	Total
Beetroot	Expected Tonnage for domestic market	56	35	70	85	85	70	366
	Average Domestic Demand (2022)	52	52	105	105	105	105	472
	Surplus / shortage (Tonnage)	4	-17	-35	-20	-20	-35	-106
English Cucumber	Expected Tonnage for domestic market	53	57	106	107	72	60	398
	Average Domestic Demand (2022)	47	47	100	100	100	100	447
	Surplus / shortage (Tonnage)	6	11	6	7	-28	-40	-49
Sweet Potato	Expected Tonnage for domestic market	132	68	208	76	34	0	449
	Average Domestic Demand (2022)	58	58	115	115	115	115	518
	Surplus / shortage (Tonnage)	74	10	93	-39	-81	-115	-68
Watermelon	Expected Tonnage for domestic market	55	45	125	9	1	0	190
	Average Domestic Demand (2022)	70	70	160	160	160	160	710
	Surplus / shortage (Tonnage)	-15	-25	-36	-151	-159	-160	-520
Sweet melon	Expected Tonnage for domestic market	8	2	45	9	0	0	62
	Average Domestic Demand (2022)	38	38	75	75	75	75	338
	Surplus / shortage (Tonnage)	-30	-35	-30	-66	-75	-75	-276
Lettuce Iceberg	Expected Tonnage for domestic market	26	26	51	58	55	55	244
	Average Domestic Demand (2022)	38	38	75	75	75	75	338
	Surplus / shortage (Tonnage)	-11	-12	-25	-17	-21	-21	-94
Sweetcorn	Expected Tonnage for domestic market	17	17	36	18	9	2	82
	Average Domestic Demand (2022)	11	11	21	21	21	21	106
	Surplus / shortage (Tonnage)	7	7	15	-3	-12	-19	-14

Source: NAB 2023

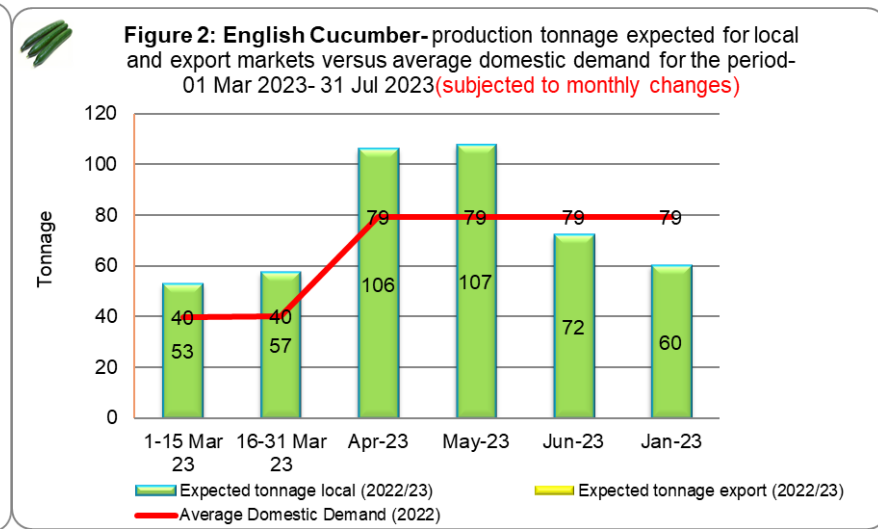
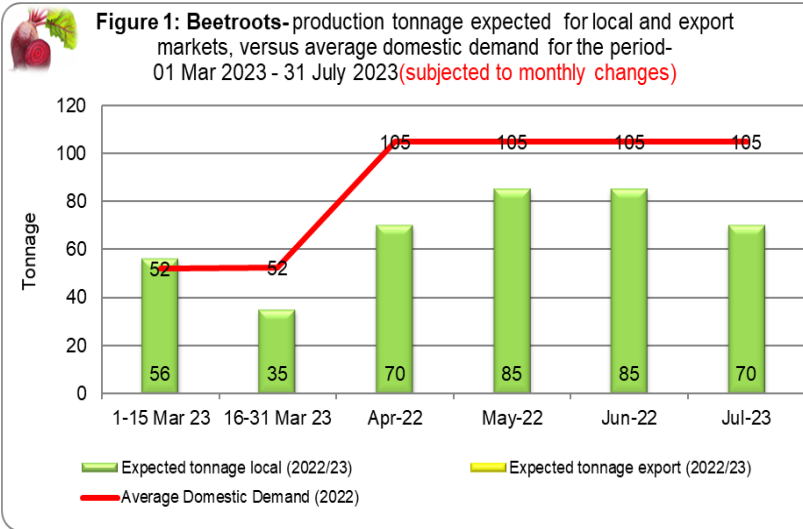
Table 3B indicates the total tonnage available for the monitored crop: Mushroom, Cauliflower and Broccoli

Table 3B: Analysis of the total expected tonnage for domestic market versus domestic demand.							
Crops	Expected Surplus or Shortage	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Total
Cauliflower	Expected Tonnage for domestic market	0.8	0	17	25	15	57
	Average Domestic Demand (2021)	18	18	18	18	18	89
	Surplus / shortage (Tonnage)	-17	-18	-1	7	-3	-32
Broccoli	Expected Tonnage for domestic market	0	0	19	26	15	59
	Average Domestic Demand (2021)	15	15	15	15	15	73
	Surplus / shortage (Tonnage)	-15	-15	4	11	0	-14
Mushroom	Expected Tonnage for domestic market	7	7	7	7	7	35
	Average Domestic Demand (2021)	15	15	15	15	15	75
	Surplus / shortage (Tonnage)	-8	-8	-8	-8	-8	-41

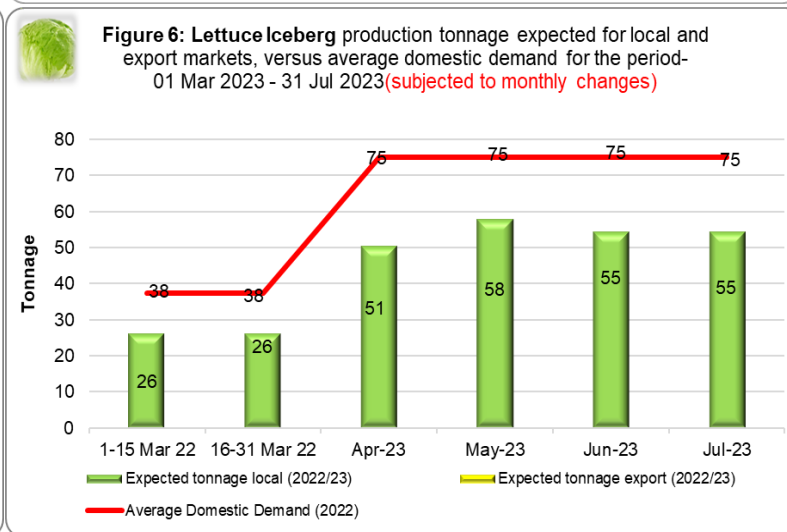
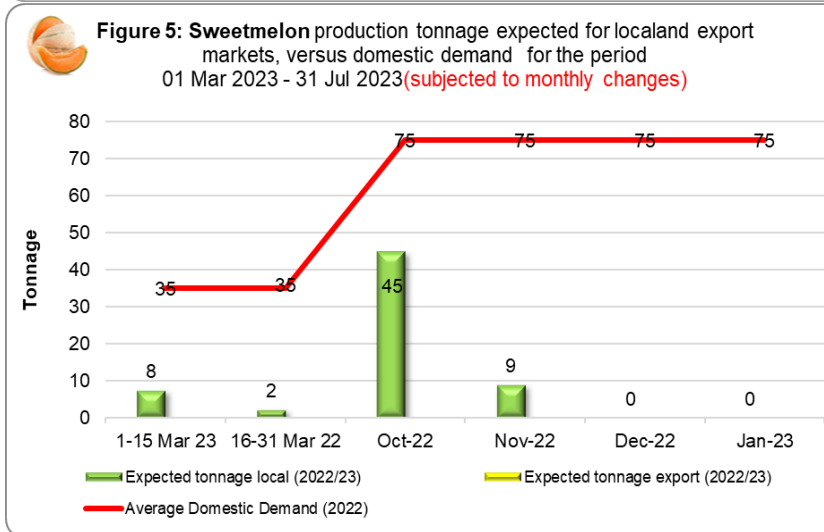
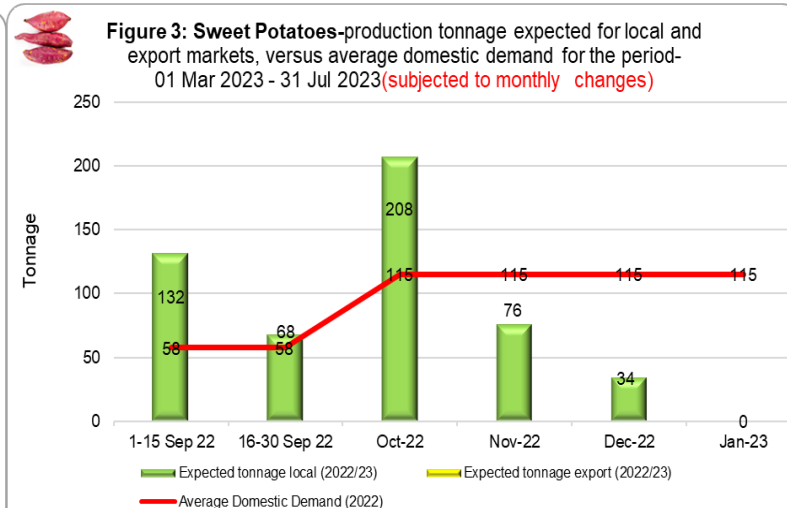
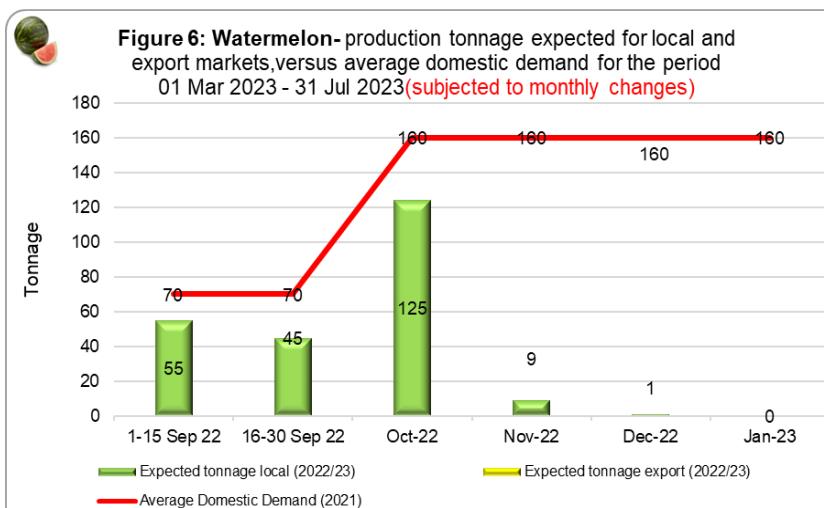
Source NAB 2023

5. GRAPHICAL ANALYSIS

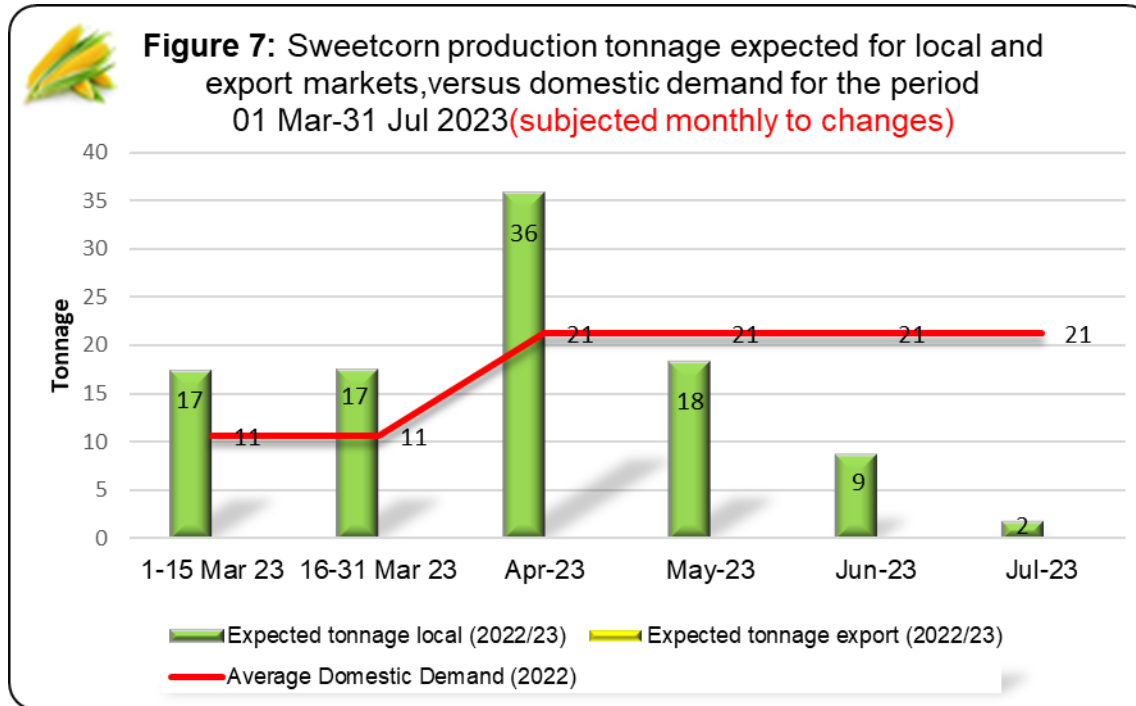
As indicated in Table 3 B, Figure 1,2,3,4,5,6 and 7 below shows the analysis that was done on the 7 special controlled products and 3 monitored crop i.e. mushroom, cauliflower and broccoli as illustrated in figure 8,9 and 10.



Graphical analysis continues

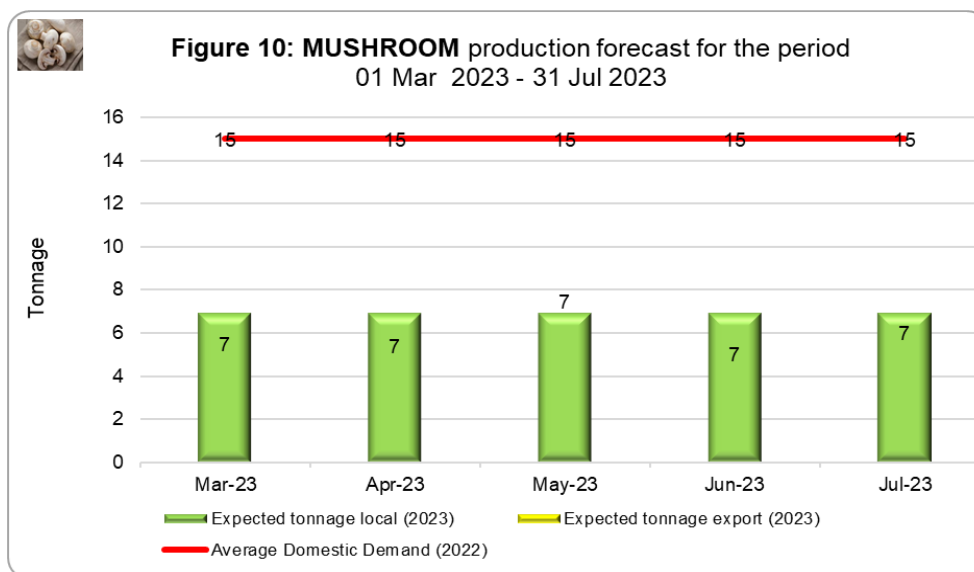
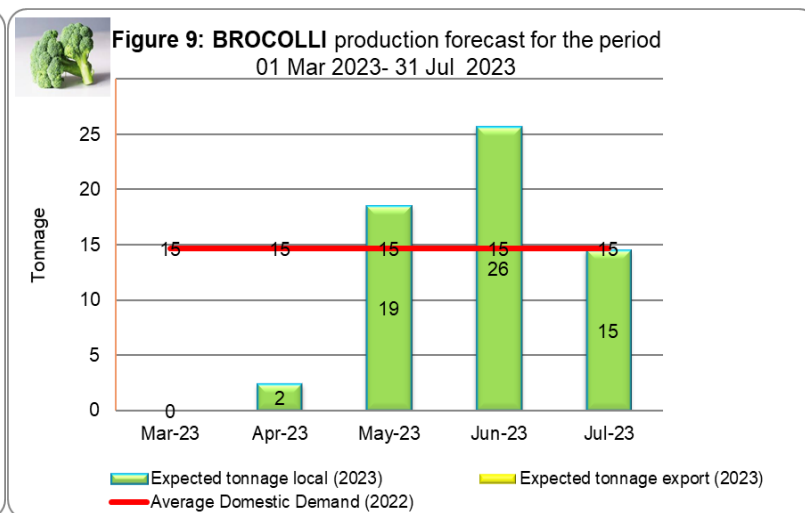
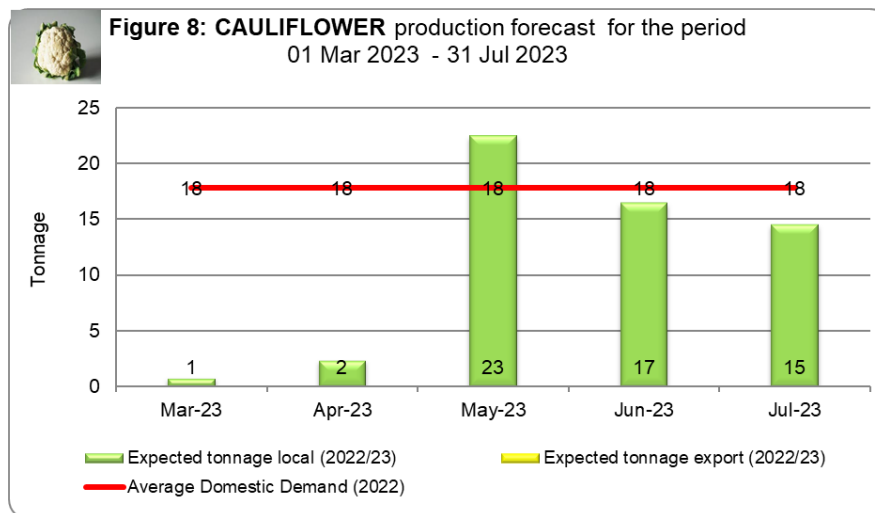


Graphical analysis continues...



Source: NAB 2023

Monitored crop Graphic analysis: Mushroom, Cauliflower and broccoli



Source: NAB 202

6. CONCLUSION AND RECOMMENDATION

This report concludes that there will be sufficient local supply of **English Cucumber, Sweetcorn, Sweet potatoes (refer to shortage and surplus table 3)**. Hence, the borders will be closed for, English Cucumber, Sweetcorn, and Sweet Potatoes for the special import permit period 1-31 January 20223. Watermelon, and Sweet Melon, Lettuce will be insufficient in this special permit period (March month), hence it must be opened on prorated. Beetroots will only be sufficient on the first half of March.

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. 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.