



Beetroot



English Cucumber



Sweet Potato



Watermelon



Sweet Melon



Lettuce.



Cauliflower



Broccoli



Mushroom



HORTICULTURE: VEGETABLES PRODUCTION FORECAST

REPORT NO 3

FORECASTED PERIOD:

01 MAY 2021 TO 30 SEPTEMBER 2021

**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 five special controlled products i.e., **Beetroot, English Cucumber, Sweet Potato, Watermelon and Sweet melon and Lettuce** as well as 3 monitored crops i.e., **Cauliflower, Broccoli and Mushroom**. The production of the special controlled products is monitored by NAB and involves close border period whenever sufficient local production is expected, and this scheme is implemented in line with the market share promotion scheme. Monitored crops are those horticultural crops whose production is closely monitored, and have the greatest potential to be converted as special controlled products in the future. 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 1A). Exclusion involves sub-product type of special controlled products that does not form part of the special controlled product scheme and can be imported using the mixed fruits and vegetable import permit. The objective of the special controlled product scheme is to stimulate local production of horticultural products in Namibia, as a growth at home strategy implemented by the NAB. **The monitored crop report**, covers the local production forecast for the top monitored horticultural crops i.e., **Cauliflower, Broccoli and Mushroom**. The monitored horticultural crops do not involve close border period during times of sufficient local production/supply, unlike the special controlled products. 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.

Unlike the special controlled products, the monitored products are not divided into inclusions and exclusion, and are all imported through the mixed fruits and vegetable import permit that is issued quarterly and valid for 90 days.

Therefore, the monitored crops are solely monitored in order to make it easy for traders to achieve their Market Share Promotion (MSP) minimum requirements, at the same time they are next in line to be added to the special controlled products once local production volumes increases

Table 1 below show the inclusions and exclusions of the special controlled products

Special Controlled Product	Inclusions (Not allowed to be imported, only during open border period)	Exclusions (Allowed to be imported with no restriction)
Beetroot	All types, size groups and container size of fresh, chilled, Whole or Cut red fleshed Beetroot, except the “Exclusions”.	Yellow, white and golden fleshed Beetroot. All frozen, dried, cooked and preserved beetroot (Whole or Cut). Including Juice/Jam
English Cucumber	All types, size groups and container size of fresh, chilled, Whole or Cut English Cucumber, except the “Exclusions”.	Preserved English Cucumber, other types of cucumbers. All frozen, dried, cooked and preserved English Cucumber (Whole or Cut).
Sweet Potato	All types, size groups and container sizes of fresh, chilled, Whole or Cut Sweet Potato, except the “Exclusions”.	Yellow/Cream fleshed Sweet potato (Zambian type), Purple Sweet Potato. All frozen, dried, cooked, and preserved Sweet Potato (Whole or Cut).
Watermelon	All types, size groups and container size of fresh, chilled, Whole or Cut Watermelon, except the “Exclusions”.	All Watermelon Juices and Jam.
Sweet melon	All types, size groups and container size of fresh, chilled, Whole or Cut Sweet Melon, except the “Exclusions”.	All Sweet melon Juices and Jam.

Whole: any fresh fruit or vegetable that have not been altered from its original form.

Cut: any fresh fruit or vegetable that has been physically altered from its original form, but remains in a fresh state.

Dried: any Fresh fruit or vegetable that have been dried or dehydrated, either whole or in pieces/cuts.

Frozen: any fresh fruits or vegetables that have had their temperature reduced and maintained to below their freezing point.

Chilled: any fresh fruit or vegetable with the temperature reduced to around 0C without the products being frozen.

Cooked: Refers to fruit and vegetables that are cooked by steaming or boiling in water, either whole or in pieces/cuts.

Preserved: Refers to fresh fruit and vegetables soaked in brine or vinegar, or other liquids, either whole or in pieces/cuts.

2. PRODUCTION TONNAGE EXPECTED PER AREA

Table 1A, indicates that, during the reporting period, the biggest portion of Sweet Potatoes is expected to be harvested from Karst, South and Orange production zones and English cucumbers will be harvested in Central zone of production. While table 1B shows that Mushroom, Broccoli and Cauliflower will be harvested from Karst, Central and South respectively.

Table 1A: Monthly expected production per area, per crop for the period 01 May 2021 - 30 Sep 2021															
Numbers in the table below represents tonnage expected to harvested for local and export market														Last updated: 18 Apr 2021	
PRODUCTION AREAS	CROPS	1-15 May 21		16-30 May 21		Jun-21		Jul-21		Aug-21		Sep-21		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	12.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	0.0	0.0	0.0	16.00	1.10
	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	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	5.0	0.0	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.00	0.25
	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	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.18	0.004
NORTH CENTRAL	Beetroot	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.00	0.27
	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	136.8	0.0	0.0	0.0	114.3	0.0	44.0	0.0	26.0	0.0	5.0	0.0	329.80	17.59
	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	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.00	0.15
	Lettuce	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00

Table 1A. continues....

KARSTLAND	Beetroot	15.0	0.0	0.0	0.0	65.0	0.0	67.0	0.0	65.0	0.0	65.0	0.0	277.00	13.10
	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	40.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	50.00	2.50
	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	31.2	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.40	0.20
CENTRAL	Beetroot	18.4	0.0	32.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	122.40	3.57
	English Cucumbers	86.0	0.0	110.1	0.0	159.5	0.0	149.5	0.0	164.5	0.0	146.5	0.0	816.10	18.89
	Sweet Potatoes	15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.00	0.50
	Watermelon	0.0	0.0	9.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	39.00	0.55
	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	40.0	0.0	30.0	0.0	70.0	0.0	70.0	0.0	70.0	0.0	70.0	0.0	330.00	13.00
SOUTH AND ORANGE RIVER	Beetroot	0.0	0.0	24.0	0.0	15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	39.00	1.10
	English Cucumbers	39.0	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	60.0	0.0	210.0	0.0	75.0	0.0	90.0	0.0	0.0	0.0	0.0	0.0	435.00	7.00
	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	1.50
	Sweetmelon	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
	Lettuce	0.0	0.0	0.0	0.0	18.8	0.0	18.8	0.0	18.8	0.0	18.8	0.0	75.00	3.00
Total expected production per crop per month	Beetroot	33.4	0.0	56.0	0.0	85.0	0.0	71.0	0.0	65.0	0.0	65.0	0.0	443.40	18.04
	English Cucumbers	125.0	0.0	110.1	0.0	159.5	0.0	149.5	0.0	164.5	0.0	146.5	0.0	816.10	18.89
	Sweet Potatoes	229.0	0.0	213.8	0.0	229.3	0.0	144.0	0.0	29.8	0.0	5.0	0.0	850.80	28.94
	Watermelon	0.0	0.0	9.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	39.00	2.05
	Sweetmelon	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.00	0.15
	Lettuce	71.3	0.0	31.2	0.0	88.8	0.0	88.8	0.0	88.8	0.0	88.8	0.0	410.68	16.20

Source: NAB 2021

Table 1B: Monthly expected production per area, per crop for the period 01 May 2021 - 30 Sep 2021															
Numbers in the table below represents tonnage expected to harvested for local and export market														Last updated: 18 Apr 2020	
PRODUCTION AREAS	CROPS	1-15 May 21		16-31 May 21		Jun-21		Jul-21		Aug-21		Sep-21		Total (for the 5 months period)	
		Local	Export	Local	Export	Local	Export	Local	Export	Local	Export	Local	Export	Yield	Ha to be harvested
KARSTLAND	Cauliflower	3.8	0.0	3.8	0.0	7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.00	2.50
	Broccoli	3.8	0.0	3.8	0.0	7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.00	2.50
	Mushroom	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
		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
CENTRAL	Cauliflower	0.6	0.0	0.6	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.20	0.30
	Broccoli	1.5	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.00	0.30
	Mushroom	8.8	0.0	8.8	0.0	12.8	0.0	12.8	0.0	12.8	0.0	12.8	0.0	55.75	0.00
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
		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
SOUTH AND ORANGE RIVER	Cauliflower	1.0	0.0	8.5	0.0	17.0	0.0	17.0	0.0	17.0	0.0	17.0	0.0	77.50	5.25
	Broccoli	16.3	0.0	16.3	0.0	17.5	0.0	17.5	0.0	17.5	0.0	17.5	0.0	102.50	5.25
	Mushroom	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.0	0.0	30.00	4.00
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
Total expected production per crop per month	Cauliflower	5.4	0.0	12.9	0.0	25.7	0.0	17.0	0.0	17.0	0.0	17.0	0.0	93.70	8.07
	Broccoli	21.5	0.0	20.0	0.0	26.5	0.0	17.5	0.0	17.5	0.0	17.5	0.0	120.50	8.05
	Mushroom	8.8	0.0	8.8	0.0	12.8	0.0	12.8	0.0	12.8	0.0	42.8	0.0	85.75	4.00
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00

Source: NAB 2021

3. EXPECTEDCTED AVAILABILITY PER PRODUCER

Table 2A below, shows the expected month of availability for the 5 special controlled crops and one monitored crop, from each production zone. While 2B shows the availability of Cauliflower, Broccoli and Mushroom




















TABLE: 2A																																		
KEYS : BEETROOT  ENGLISH CUCUMBER  SWEET POTATO  WATERMELON  SWEETMELON  LETTUCE 																																		
PERIOD: 01 Mar 2021 TO 30 Jul 2021																																		
	MARKET			1-15 May-21					16-31 May-21					Jun-21					Jul-21					Aug-21					Sep-21					
NAME OF PRODUCER	Informal	Formal	Export	Beetroot	English Cucumber	Sweet Potato	Watermelon	Sweet melon	Lettuce	Beetroot	English Cucumber	Sweet Potato	Watermelon	Sweet melon	Lettuce	Beetroot	English Cucumber	Sweet Potato	Watermelon	Sweet melon	Lettuce	Beetroot	English Cucumber	Sweet Potato	Watermelon	Sweet melon	Lettuce	Beetroot	English Cucumber	Sweet Potato	Watermelon	Sweet melon	Lettuce	
ZAMBEZI																																		
1 Tererai Msakwa Ndeleka	√	√																																
2 Tendai Mbeha	√	√																																
KAVANGO AREA																																		
1 Blandine Meesher Nangobe	√	√																																
2 Lukas Mandem	√	√																																
NORTH CENTRAL AREA																																		
1 Jonh Naindjala	√	√																																
2 Hebertus Keriner	√	√																																
3 Asser Moses	√	√																																
4 Lonia & Abraham Ismael	√	√																																
5 Elifas Nuuyoma	√	√																																
6 Epafras Nuuyoma	√	√																																
7 Shetuuka Shetuuka	√	√																																
8 Veikko Imalwa	√	√																																
9 Silvanus Naunyango	√	√																																
10 Rassie Erasmus	√	√																																



Table 2 continue...

[illegible]








































KARSTLAND AREA

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Table 2 continues....

CENTRAL AREA																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
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Source: NAB 2021

TABLE: 2B																																									
KEYS : CAULIFLOWER 										BROCOLLI 										MUSHROOM 																					
PERIOD: 01 May 2021 TO 30 Sep 2021																																									
		MARKET		1-15 May-21					16-30 May-21					Jun-21					Jul-21					Aug-21					Sep-21												
NAME OF PRODUCER		I	n	f	o	r	m	a	i	Cauliflower	Broccoli	Mushroom						Cauliflower	Broccoli	Mushroom						Cauliflower	Broccoli	Mushroom						Cauliflower	Broccoli	Mushroom					
KARSTLAND AREA																																									
1	Loui Smit	√	√																																						
CENTRAL AREA																																									
1	Jan Conradie	√	√																																						
2	Lucia Conradie	√	√																																						
3	Johannes Michiel van Helsdingen	√	√																																						
SOUTH AND ORANGE RIVER AREAS																																									
1	Johan Roux	√	√																																						
2	Charl van Rensburg	√	√																																						

Source: NAB 2021

4. EXPECTED PRODUCTION AND DEMAND ANNALYSIS

4.1 TABULATION ANALYSIS OF DOMESTIC DEMAND

According to table 3A, sufficient local supply of Beetroot, English Cucumber, Sweet Melon and Watermelon is expected during the forecasted period. While 3B indicate the availability of Broccoli, Cauliflower and Mushroom

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: 18 Apr 2021								
Crops	Expected Surplus or Shortage	1-15 May 21	16-31 May 21	Jun-21	Jul-21	Aug-21	Sep-21	Total
Beetroot	Expected Tonnage for domestic market	33	56	85	71	65	65	319
	Average Domestic Demand (2018/19)	92	92	92	92	92	92	460
	Surplus / shortage (Tonnage)	-59	-36	-7	-21	-27	-27	-141
English Cucumber	Expected Tonnage for domestic market	125	110	160	150	165	147	745
	Average Domestic Demand (2018/19)	89	89	89	89	89	89	445
	Surplus / shortage (Tonnage)	36	21	71	61	76	58	300
Sweet Potato	Expected Tonnage for domestic market	229	214	229	144	30	5	637
	Average Domestic Demand (2018/19)	196	196	196	196	196	196	980
	Surplus / shortage (Tonnage)	33	18	33	-52	-166	-191	-343
Watermelon	Expected Tonnage for domestic market	20	0	0	0	0	0	20
	Average Domestic Demand (2018/19)	154	154	154	154	154	154	770
	Surplus / shortage (Tonnage)	-134	-154	-154	-154	-154	-154	-750
Sweet melon	Expected Tonnage for domestic market	3	0	0	0	0	0	3
	Average Domestic Demand (2018/19)	78	78	78	78	78	78	390
	Surplus / shortage (Tonnage)	-75	-78	-78	-78	-78	-78	-387
Lettuce	Expected Tonnage for domestic market	71	31	89	89	89	89	426
	Average Domestic Demand (2018/19)	39	39	39	39	39	39	195
	Surplus / shortage (Tonnage)	32	-8	50	50	50	50	231

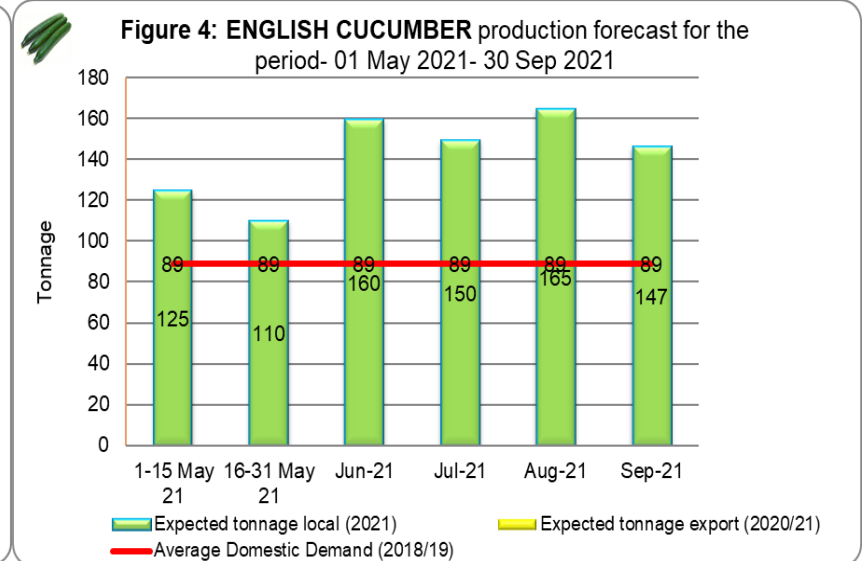
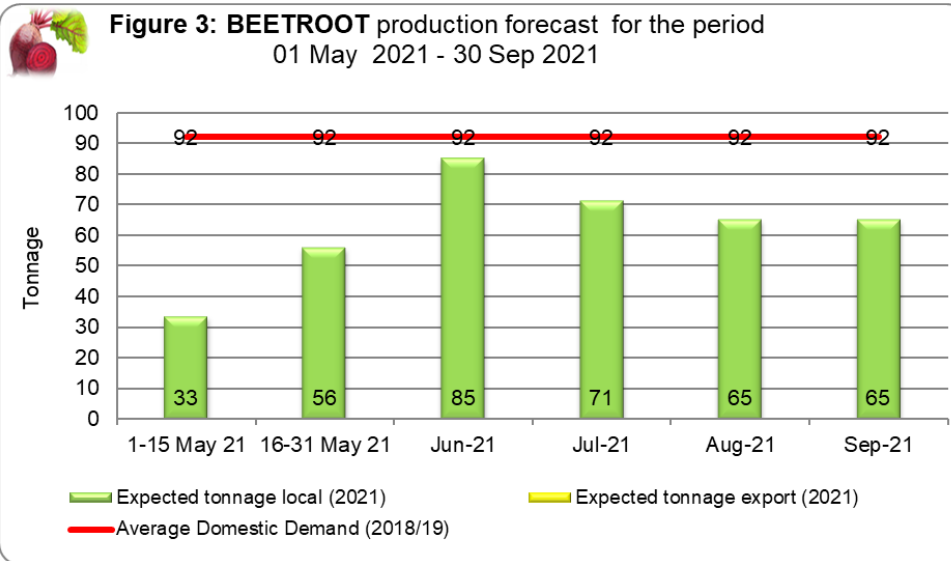
Source: NAB 2021

Table 3B: Analysis of the total expected tonnage for domestic market versus domestic demand.								
Numbers in this table represents tonnage expected to harvested for local and export market Last updated: 18 Mar 2020								
Crops	Expected Surplus or Shortage	1-15 May 21	16-31 May 21	Jun-21	Jul-21	Aug-21	Sep-21	Total
Cauliflower	Expected Tonnage for domestic market	5	13	26	17	17	17	82
	Average Domestic Demand (2018/19)	45	45	45	45	45	45	225
	Surplus / shortage (Tonnage)	-40	-32	-19	-28	-28	-28	-143
Broccoli	Expected Tonnage for domestic market	22	20	27	18	18	18	101
	Average Domestic Demand (2018/19)	36	36	36	36	36	36	180
	Surplus / shortage (Tonnage)	-15	-16	-10	-19	-19	-19	-80
Mushroom	Expected Tonnage for domestic market	9	9	13	13	13	43	90
	Average Domestic Demand (2018/19)	77	77	77	77	77	77	385
	Surplus / shortage (Tonnage)	-68	-68	-64	-64	-64	-34	-295

Source NAB 2021

5 . GRAPHICAL ANALYSIS

Figure 3,4, 6 and 7 shows that there will be sufficient local supply for Sweet potatoes, English Cucumbers for the forecasted period as illustrated in the figures below.



Graphical analysis continues.....

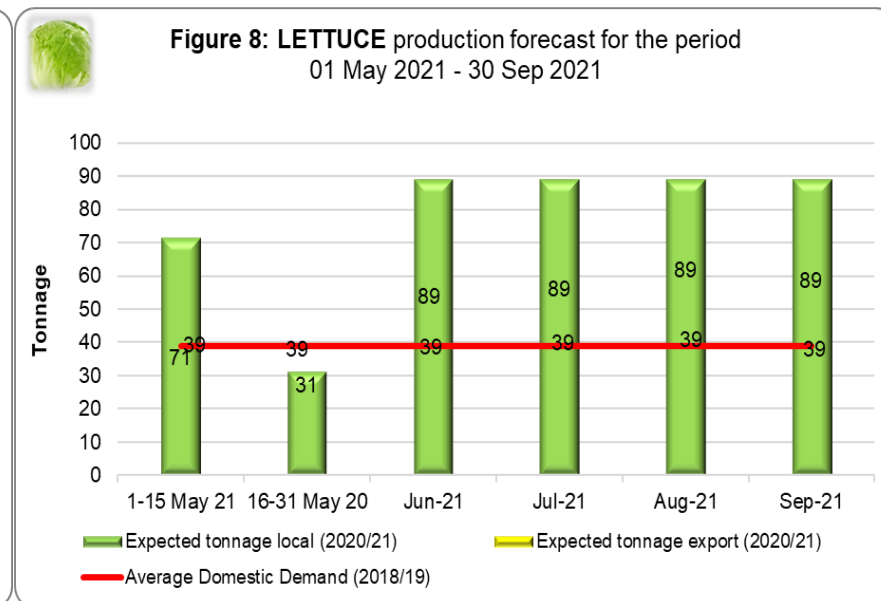
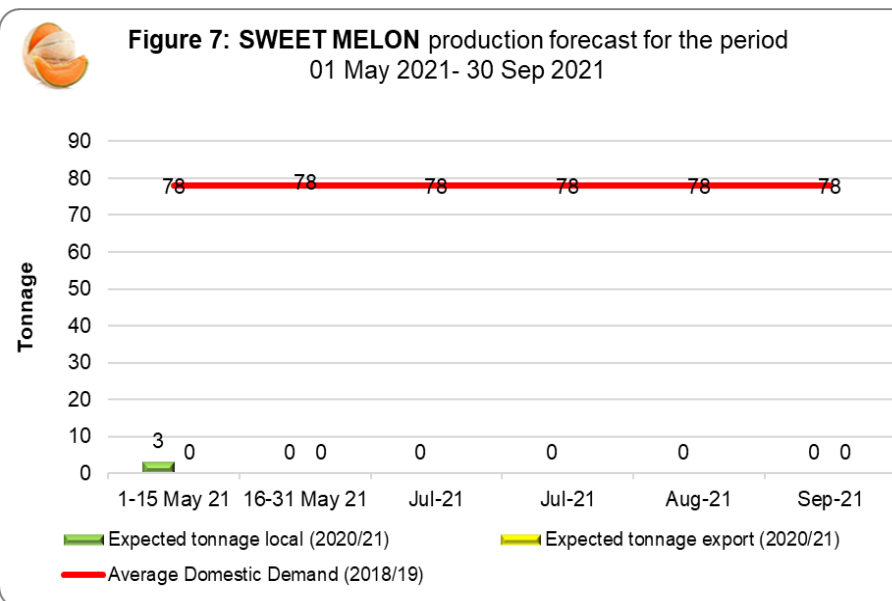
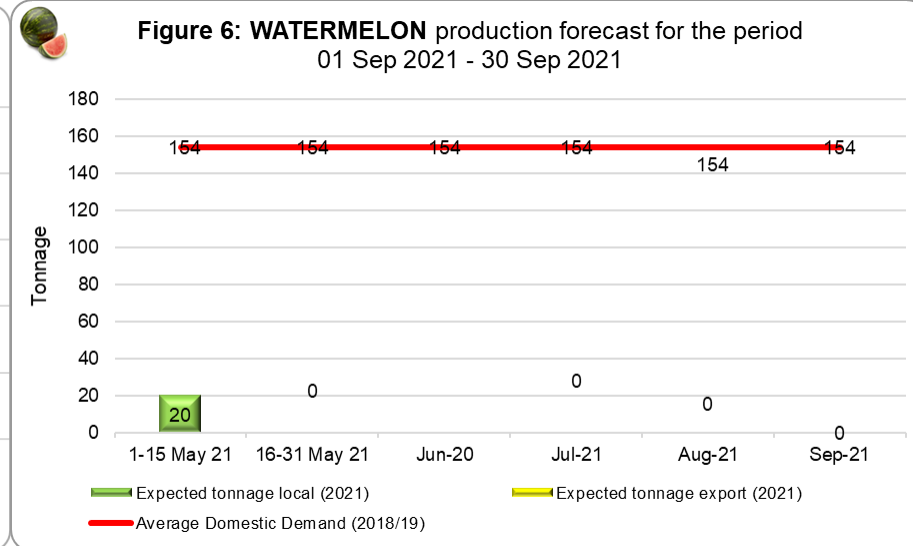
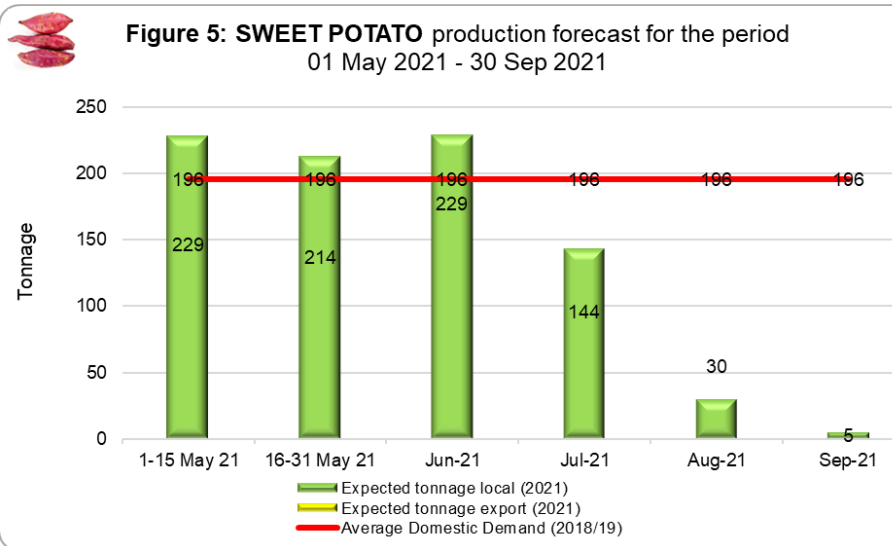




Figure 11: MUSHROOM production forecast for the period
01 May 2021 - 30 Sep 2021

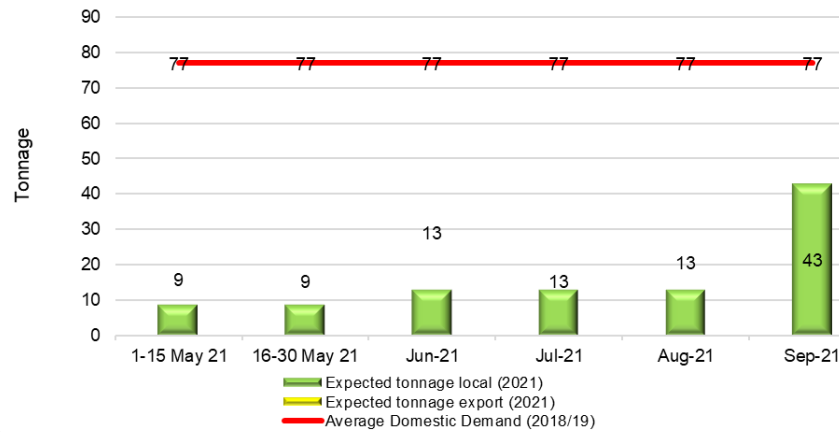


Figure 9: CAULIFLOWER production forecast for the period
01 May 2021 - 30 Sep 2021

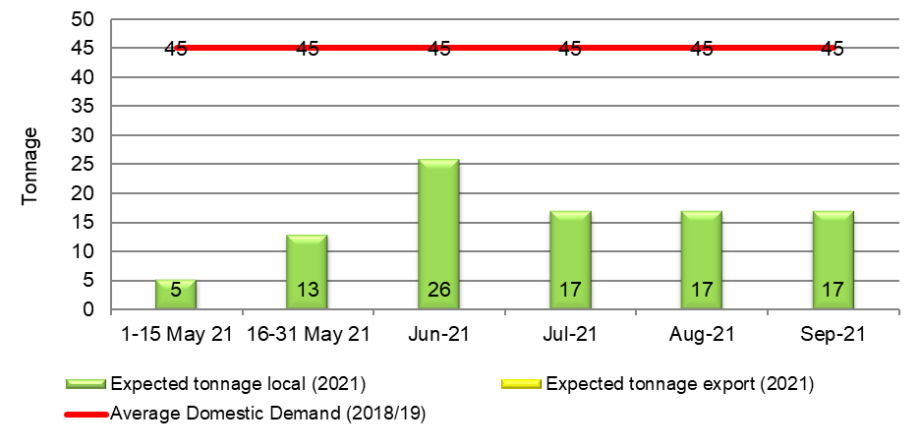
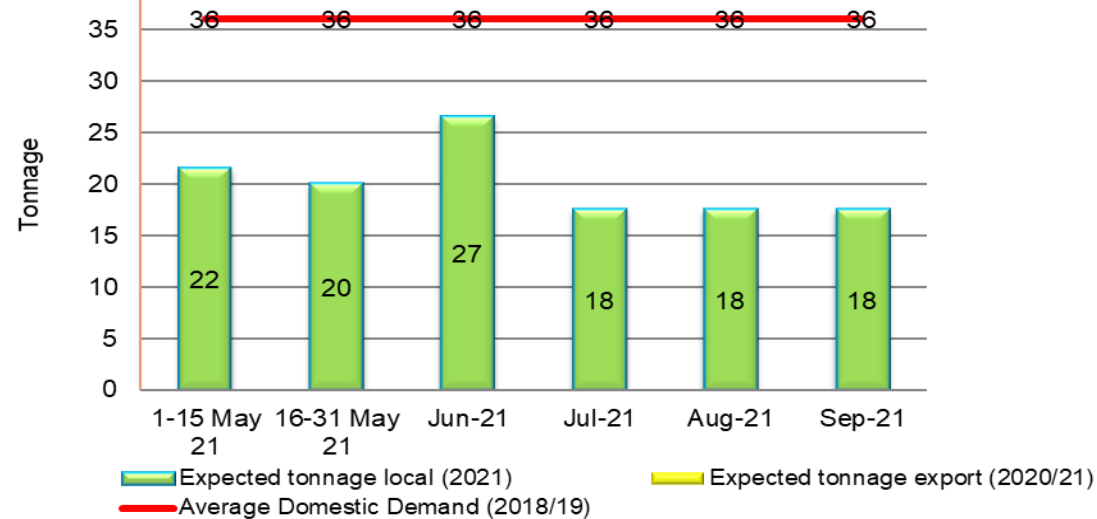


Figure 10: BROCOLLI production forecast for the period
01 May 2021- 30 Sep 2021



Source: NAB 2021

6. CONCLUSION and RECOMENDATIONS

The report clearly indicates that there will be sufficient local supply of English Cucumber, Sweet potatoes (**refer to table 3, figure 3 and 5**). Therefore, import restriction will be implemented for English cucumber. Sweet Potatoes (all the sizes) and Lettuce will be opened on Pro-lata for the special import permit period 1-31 May 2021. Further import restriction will be implemented during the reporting period; however, this will be based on updated production data from the producers. Therefore, producers are encouraged to immediately notify NAB in case of deviations from their cropping program or in the event of crop failure due to factors beyond their control.

Traders are encouraged to contact the local producers to arrange for their local purchases.

Furthermore, Broccoli, Cauliflower and Mushroom is currently monitored crops and therefore in order for this crop to be added as a special controlled crop in future producers are encouraged to take the opportunity to increase local production, and meet the domestic demand every month.

[illegible]