



Beetroot



English Cucumber



Sweet Potato



Watermelon



Sweet melon



Lettuce .



Cauliflower



Broccoli



Mushroom



HORTICULTURE: VEGETABLES PRODUCTION FORECAST

REPORT NO 3

FORECASTED PERIOD:

01 APRIL 2021 TO 30 AUGUST 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 Beetroot is expected to be harvested in the Karst, Sweet Potatoes from North Central production zones. Furthermore, Table 1 also shows that the biggest portion of Watermelon and Sweet melon production is expected from South and Orange. While table 1B shows that Mushroom, Broccoli and Cauliflower will be harvested from Karst and South Orange respectively.

Table 1A: Monthly expected production per area, per crop for the period 01 Apr 2021 - 30 Aug 2021															
Numbers in the table below represents tonnage expected to harvested for local and export market														Last updated: 18 Mar 2021	
PRODUCTION AREAS	CROPS	1-15 Apr 21		16-30 Apr 21		May-21		Jun-21		Jul-21		Aug-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	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.00	0.20
	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	7.0	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	0.00
NORTH CENTRAL	Beetroot	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	5.00	1.27
	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	109.0	0.0	0.0	0.0	149.8	0.0	76.5	0.0	44.0	0.0	0.0	0.0	386.25	19.08
	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	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.00	0.30
	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	0.0	0.0	0.0	0.0	30.0	0.0	60.0	0.0	60.0	0.0	60.0	0.0	210.00	7.00
	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	14.0	0.0	0.0	0.0	0.0	0.0	40.0	0.0	10.0	0.0	5.0	0.0	69.00	7.95
	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	31.6	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33.20	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	83.5	0.0	100.1	0.0	159.5	0.0	149.5	0.0	164.5	0.0	146.5	0.0	803.60	18.89
	Sweet Potatoes	0.0	0.0	0.0	0.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60.00	2.00
	Watermelon	0.0	0.0	169.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	179.00	4.35
	Sweetmelon	0.0	0.0	60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60.00	2.00
	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	20.0	0.0	15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35.00	1.00
	English Cucumbers	35.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.00	0.10
	Sweet Potatoes	30.0	0.0	45.0	0.0	45.0	0.0	45.0	0.0	15.0	0.0	0.0	0.0	180.00	5.00
	Watermelon	40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.00	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	18.4	0.0	52.0	0.0	45.0	0.0	69.0	0.0	60.0	0.0	60.0	0.0	372.40	12.84
	English Cucumbers	118.5	0.0	100.1	0.0	163.5	0.0	149.5	0.0	164.5	0.0	146.5	0.0	807.60	18.99
	Sweet Potatoes	160.0	0.0	52.0	0.0	224.8	0.0	161.5	0.0	69.0	0.0	5.0	0.0	702.25	34.48
	Watermelon	40.0	0.0	169.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	219.00	5.85
	Sweetmelon	3.0	0.0	60.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	68.00	2.30
	Lettuce	71.7	0.0	30.0	0.0	90.4	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 Apr 2021 - 31 Aug 2021															
Numbers in the table below represents tonnage expected to harvested for local and export market														Last updated: 18 Mar 2020	
PRODUCTION AREAS	CROPS	1-15 Apr 21		16-31 Apr 21		May-21		Jun-21		Jul-21		Aug-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	7.5	0.0	7.5	0.0	7.5	0.0	37.50	2.50
	Broccoli	3.8	0.0	3.8	0.0	7.5	0.0	7.5	0.0	7.5	0.0	7.5	0.0	37.50	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
SOUTH AND ORANGE RIVER	Cauliflower	0.0	0.0	7.5	0.0	15.0	0.0	15.0	0.0	15.0	0.0	15.0	0.0	67.50	4.00
	Broccoli	15.0	0.0	15.0	0.0	15.0	0.0	15.0	0.0	15.0	0.0	15.0	0.0	90.00	4.00
	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	3.8	0.0	11.3	0.0	22.5	0.0	22.5	0.0	22.5	0.0	22.5	0.0	105.00	6.52
	Broccoli	18.8	0.0	18.8	0.0	22.5	0.0	22.5	0.0	22.5	0.0	22.5	0.0	127.50	6.50
	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 Apr-21					16-31 Apr-21					May-21					Jun-21					Jul-21					Aug-21					
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	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 Ndeleki	√	√																															
KAVANGO AREA																																		
1	Blandine Meesher Nangobe	√	√																															
2	Lukas Mandem	√	√																															
NORTH CENTRAL AREA																																		
1	Jonh Naindjala	√	√																															
2	Asser Moses	√	√																															
3	Shetuuka Shetuuka	√	√																															
4	Titus Paulus	√	√																															
5	Epafras Nghilengwa	√	√																															
6	Silvanus Naunyangwa	√	√																															
7	Veikko Imalwa	√	√																															
8	Inocence Kalola	√	√																															
9	Rassie Erasmus	√	√																															

Table 2 continues....

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Table 2 continues....

SOUTH AND ORANGE RIVER AREAS																																						
1	Hermany van Dyk	✓	✓																																			
2	Hentie van Dyk	✓	✓																																			
3	Chris Husamaine	✓	✓																																			
4	Charl van Rensburg	✓	✓																																			
5	Johan Roux	✓	✓																																			
6	Theresia Kisting																																					
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 2021





TABLE: 2B																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
KEYS : CAULIFLOWER 						BROCCOLI 						MUSHROOM 																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
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Table 2B continues...

SOUTH AND ORANGE RIVER AREA S																			
1	Johan Roux	√	√																

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.

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 Boroccoli, 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 Mar 2021								
Crops	Expected Surplus or Shortage	1-15 Apr 21	16-31 Apr 21	May-21	Jun-21	Jul-21	Aug-21	Total
Beetroot	Expected Tonnage for domestic market	18	52	45	69	60	60	252
	Average Domestic Demand (2018/19)	92	92	92	92	92	92	460
	Surplus / shortage (Tonnage)	-74	-40	-47	-23	-32	-32	-208
English Cucumber	Expected Tonnage for domestic market	119	100	164	150	165	147	743
	Average Domestic Demand (2018/19)	89	89	89	89	89	89	445
	Surplus / shortage (Tonnage)	30	11	75	61	76	58	298

Table 3 continues.....

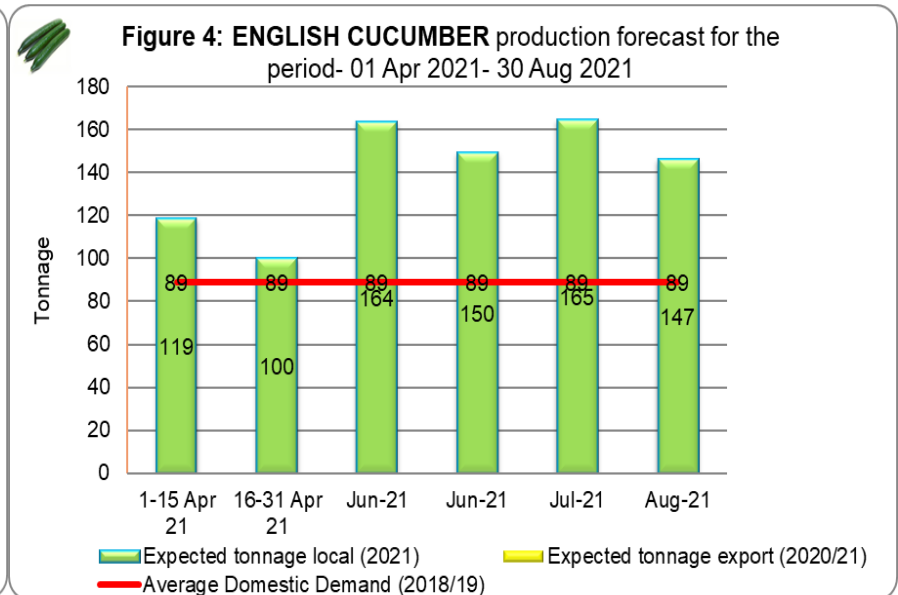
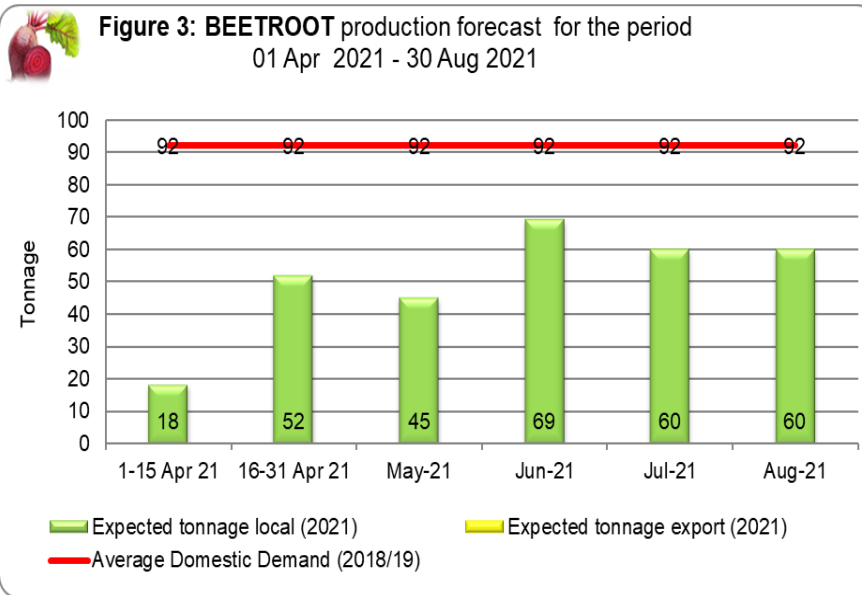
Sweet Potato	Expected Tonnage for domestic market	160	52	225	162	69	5	620
	Average Domestic Demand (2018/19)	196	196	196	196	196	196	980
	Surplus / shortage (Tonnage)	-36	-144	29	-35	-127	-191	-360
Watermelon	Expected Tonnage for domestic market	40	169	0	10	0	0	50
	Average Domestic Demand (2018/19)	154	154	154	154	154	154	770
	Surplus / shortage (Tonnage)	-114	15	-154	-144	-154	-154	-720
Sweet melon	Expected Tonnage for domestic market	3	60	5	0	0	0	8
	Average Domestic Demand (2018/19)	78	78	78	78	78	78	390
	Surplus / shortage (Tonnage)	-75	-18	-73	-78	-78	-78	-382
Lettuce	Expected Tonnage for domestic market	72	30	90	89	89	89	428
	Average Domestic Demand (2018/19)	39	39	39	39	39	39	195
	Surplus / shortage (Tonnage)	33	-9	51	50	50	50	233

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 Apr 21	16-31 Apr 21	May-21	Jun-21	Jul-21	Aug-21	Total
Cauliflower	Expected Tonnage for domestic market	4	11	23	23	23	23	94
	Average Domestic Demand (2018/19)	45	45	45	45	45	45	225
	Surplus / shortage (Tonnage)	-41	-34	-23	-23	-23	-23	-131
Broccoli	Expected Tonnage for domestic market	19	19	23	23	23	23	109
	Average Domestic Demand (2018/19)	36	36	36	36	36	36	180
	Surplus / shortage (Tonnage)	-17	-17	-14	-14	-14	-14	-71
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 Beetroots, English Cucumber, Watermelon and Sweet melon for the forecasted period as illustrated in the figures below.



Graphical analysis continues.....



Figure 5: SWEET POTATO production forecast for the period
01 Apr 2021 - 30 Aug 2021

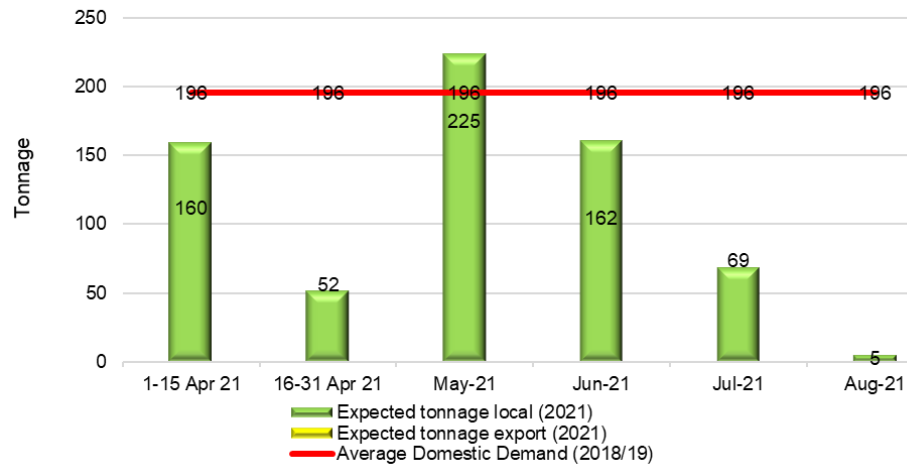


Figure 6: WATERMELON production forecast for the period
01 Apr 2021 - 30 Aug 2021

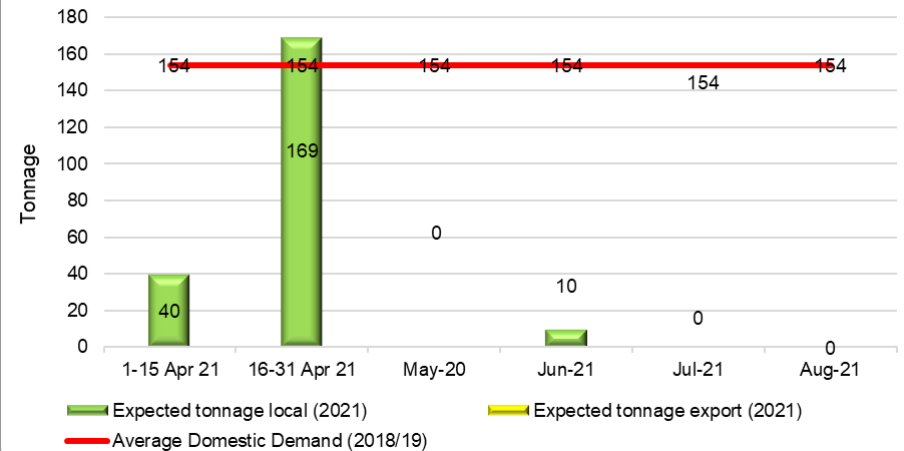


Figure 7: SWEET MELON production forecast for the period
01 Apr 2021 - 30 Aug 2021

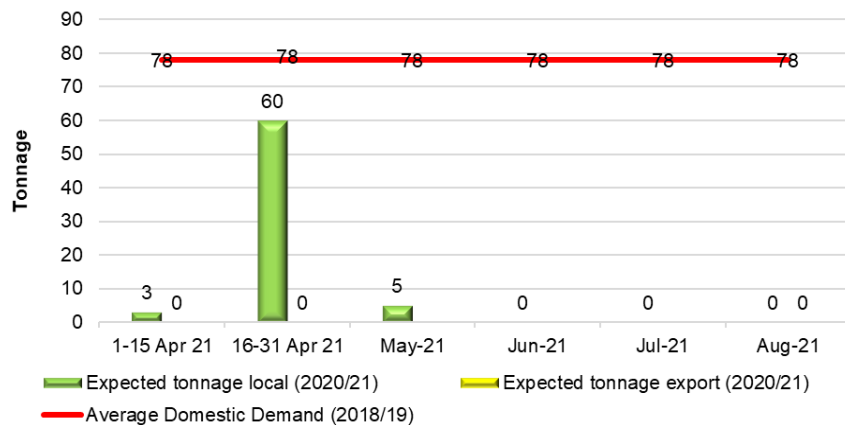


Figure 8: LETTUCE production forecast for the period
01 Apr 2021 - 30 Aug 2021

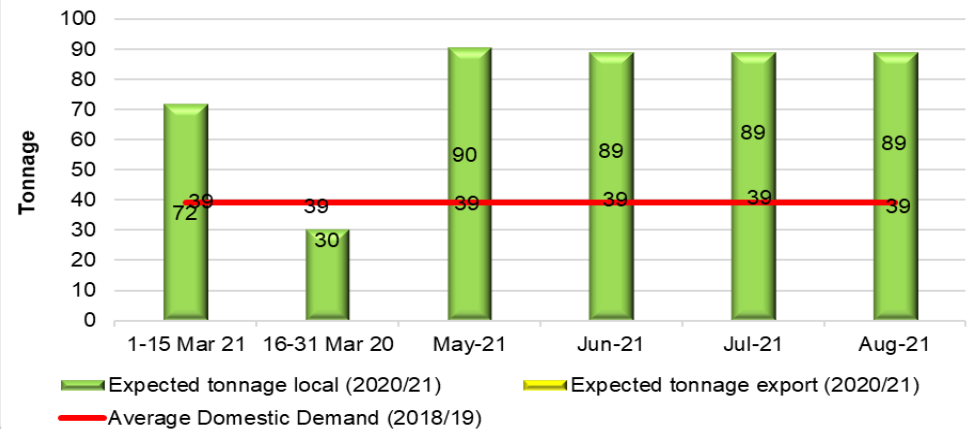




Figure 9: CAULIFLOWER production forecast for the period
01 Apr 2021 - 31 Aug 2021

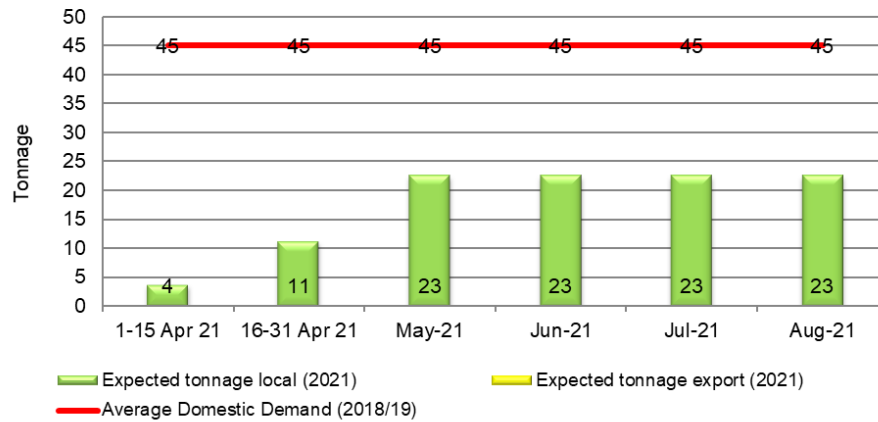


Figure 10: BROCOLLI production forecast for the period
01 Apr 2021- 31 Aug 2021

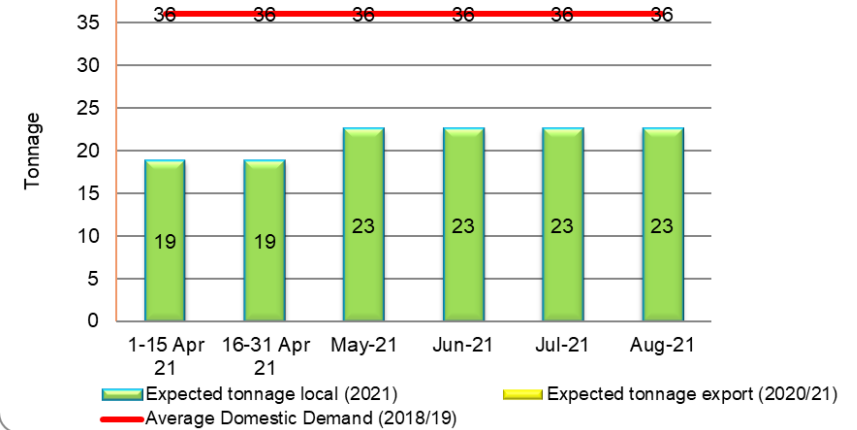
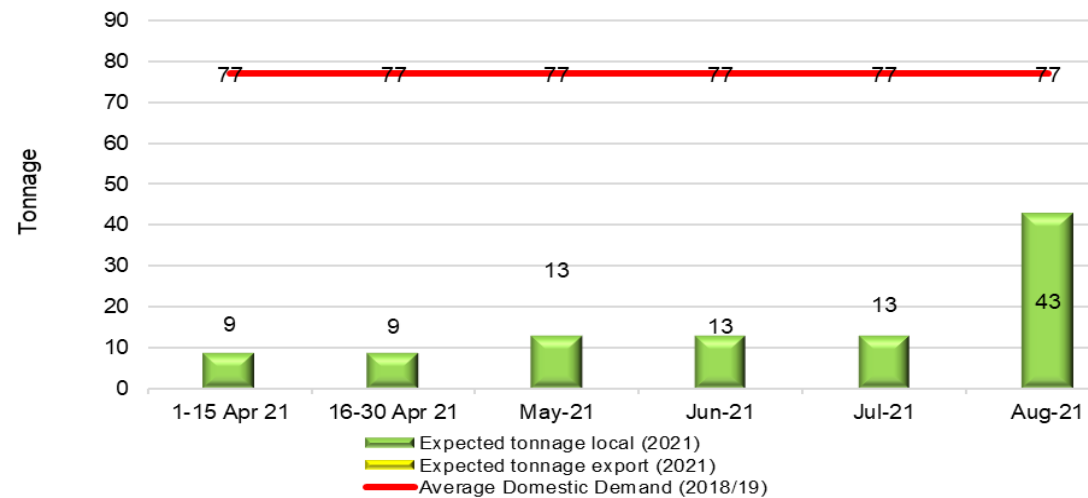


Figure 11: MUSHROOM production forecast for the period
01 Apr 2021 - 30 Aug 2021



Source: NAB 2021

6. CONCLUSION and RECOMENDATIONS

The report clearly indicates that there will be sufficient local supply of English Cucumber (**refer to table 3, figure 3**). Therefore, import restriction will be implemented for English cucumber, and Sweet Potatoes for the special import permit period 1-30 April 2021. Watermelon will be open, however, the 47% MSP applies at all times. Further import restriction will be implemented during the reporting period depending 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. On the other hand, 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]