



Beetroot



English Cucumber



Sweet Potato



Watermelon



Sweet melon



Lettuce .



Cauliflower



Broccoli



Mushroom



HORTICULTURE: VEGETABLES PRODUCTION FORECAST

REPORT NO 3

FORECASTED PERIOD:

01 DECEMBER 2021 TO 30 APRIL 2022

**Agronomy and Horticulture Market Development
Division**

Horticulture Market Development Subdivision

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1. INTRODUCTION

Report no. 3, covers the local production forecast for the six special controlled products i.e., Beetroot, English Cucumber, Sweet Potato, Watermelon, 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 to stimulate local production of horticultural products in Namibia, as a growth at home strategy implemented by the NAB. 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. Hence, they are not part of the special controlled scheme yet and during the close border period they are imported as part of mixed fruit and vegetables import permit valid for 90 days. Thus, this report discusses the production forecast per production area (table 2), availability of the expected crops per producer (table 2A), tabulation (table 3A) and graphical (figure 1 to 11) analysis for the expected production versus local demand for this reporting period.

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

Special Controlled Product	Inclusions (Not allowed to be imported, only during open border period)	Exclusions (Allowed to be imported with no restriction)
Beetroot	All types, size groups and container size of fresh, chilled, Whole or Cut red fleshed Beetroot, except the "Exclusions".	Yellow, white and golden fleshed Beetroot. All frozen, dried, cooked and preserved beetroot (Whole or Cut). Including Juice/Jam
English Cucumber	All types, size groups and container size of fresh, chilled, Whole or Cut English Cucumber, except the "Exclusions".	Preserved English Cucumber, other types of cucumbers. All frozen, dried, cooked and preserved English Cucumber (Whole or Cut).
Sweet Potato	All types, size groups and container sizes of fresh, chilled, Whole or Cut Sweet Potato, except the "Exclusions".	Yellow/Cream fleshed Sweet Potato (Zambian type), Purple Sweet Potato. All frozen, dried, cooked, and preserved Sweet Potato (Whole or Cut).
Watermelon	All types, size groups and container size of fresh, chilled, Whole or Cut Watermelon, except the "Exclusions".	All Watermelon Juices and Jam.
Sweet melon	All types, size groups and container size of fresh, chilled, Whole or Cut Sweet Melon, except the "Exclusions".	All Sweet melon Juices and Jam.
Lettuce	All types, grades, size groups and container sizes of fresh, chilled, Whole or Cut light green/green Iceberg Lettuce as called Head Lettuce, except the "Exclusions".	All Butterhead, Leafy or Stem types of Lettuce of any colour. All frozen, dried, cooked and preserved Lettuce (Whole or Cut) of any colour and shape.

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

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

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

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

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

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

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

2. PRODUCTION TONNAGE EXPECTED PER AREA

Table 1A, indicates that, during the reporting period, the biggest portion of Beetroot is expected to be harvested in the Karst while English Cucumber is from Central production zone and Watermelon and Sweetmelon to be harvested from South and Orange production zones.

Table 1A: Monthly expected production per area, per crop for the period 01 Nov 2021 - 30 Apr 2022															
Numbers in the table below represents tonnage expected to harvested for local and export market														Last updated: 19 Nov 2021	
PRODUCTION AREAS	CROPS	1-15 Dec 21		16-31 Dec 21		Jan-22		Feb-22		Mar-22		Apr-22		Total (for the 5 months period)	
		Local	Export	Local	Export	Local	Export	Local	Export	Local	Export	Local	Export	Yield	Ha to be harvested
ZAMBEZI	Beetroot	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
	English Cucumbers	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
	Sweet Potatoes	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
	Watermelon	8.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.13	0.46
	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	3.8	0.0	67.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	12.75	0.95
	Watermelon	204.5	0.0	90.0	0.0	22.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	317.32	7.95
	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	4.80	1.20
	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	0.000
NORTH CENTRAL	Beetroot	18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.95	0.77
	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	146.9	0.0	67.0	0.0	111.9	0.0	53.8	0.0	30.0	0.0	14.0	0.0	423.50	28.34
	Watermelon	98.8	0.0	0.0	0.0	17.8	0.0	5.0	0.0	0.0	0.0	0.0	0.0	121.55	3.64
	Sweetmelon	15.8	0.0	0.0	0.0	7.5	0.0	5.0	0.0	0.0	0.0	0.0	0.0	28.32	1.44
	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	103.3	0.0	48.8	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	157.00	5.85
	English Cucumbers	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.50	0.25
	Sweet Potatoes	5.0	0.0	0.0	0.0	10.0	0.0	10.0	0.0	10.0	0.0	0.0	0.0	35.00	1.25
	Watermelon	584.5	0.0	282.0	0.0	365.0	0.0	51.5	0.0	0.0	0.0	0.0	0.0	1283.00	26.41
	Sweetmelon	7.0	0.0	5.0	0.0	0.0	0.0	10.5	0.0	0.0	0.0	0.0	0.0	22.50	2.66
	Lettuce	8.0	0.0	8.0	0.0	6.0	0.0	6.0	0.0	4.0	0.0	4.0	0.0	36.00	0.40
CENTRAL	Beetroot	5.0	0.0	5.0	0.0	0.0	0.0	10.0	0.0	10.0	0.0	0.0	0.0	40.00	2.50
	English Cucumbers	122.5	0.0	101.5	0.0	222.5	0.0	222.5	0.0	197.5	0.0	167.5	0.0	679.00	19.59
	Sweet Potatoes	30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.00	1.00
	Watermelon	60.0	0.0	0.0	0.0	160.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.00	4.00
	Sweetmelon	5.0	0.0	5.0	0.0	5.0	0.0	5.0	0.0	5.0	0.0	5.0	0.0	75.00	2.00
	Lettuce	52.0	0.0	50.0	0.0	90.0	0.0	90.0	0.0	90.0	0.0	90.0	0.0	442.00	12.50
SOUTH AND ORANGE RIVER	Beetroot	130.0	0.0	35.0	0.0	60.0	0.0	40.0	0.0	40.0	0.0	0.0	0.0	130.00	5.20
	English Cucumbers	5.0	0.0	5.0	0.0	10.0	0.0	10.0	0.0	10.0	0.0	10.0	0.0	50.00	0.45
	Sweet Potatoes	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
	Watermelon	340.0	0.0	295.0	0.0	580.0	0.0	520.0	0.0	320.0	0.0	60.0	0.0	1915.00	20.00
	Sweetmelon	115.0	0.0	195.0	0.0	230.0	0.0	230.0	0.0	90.0	0.0	0.0	0.0	770.00	19.00
	Lettuce	18.0	0.0	18.0	0.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	71.00	1.70
Total expected production per crop per month	Beetroot	256.2	0.0	88.8	0.0	65.0	0.0	50.0	0.0	50.0	0.0	0.0	0.0	344.95	14.32
	English Cucumbers	130.0	0.0	106.5	0.0	232.5	0.0	232.5	0.0	207.5	0.0	177.5	0.0	731.50	20.29
	Sweet Potatoes	185.7	0.0	134.0	0.0	121.9	0.0	63.8	0.0	41.5	0.0	14.0	0.0	501.25	31.54
	Watermelon	1295.9	0.0	667.0	0.0	1145.6	0.0	576.5	0.0	320.0	0.0	60.0	0.0	3695.00	62.45
	Sweetmelon	142.8	0.0	205.0	0.0	242.5	0.0	250.5	0.0	95.0	0.0	5.0	0.0	900.62	26.30
	Lettuce	78.0	0.0	76.0	0.0	131.0	0.0	96.0	0.0	94.0	0.0	94.0	0.0	549.00	14.60

Source: NAB 2021

Table 1B shows the expected tonnage for mushroom for the forecasted period

Table 1B: Monthly expected production per area, per crop for the period 01 Dec 2021 - 30 Apr 2022															
Numbers in the table below represents tonnage expected to harvested for local and export market														Last updated: 18 Nov 2021	
PRODUCTION AREAS	CROPS	1-15 Nov 21		16-31 Nov 21		Dec-21		Jan-22		Feb-22		Mar-22		Total (for the 5 months period)	
		Local	Export	Local	Export	Local	Export	Local	Export	Local	Export	Local	Export	Yield	Ha to be harvested
CENTRAL	Cauliflower	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
	Broccoli	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
	Mushroom	5.0	0.0	5.0	0.0	10.0	0.0	10.0	0.0	10.0	0.0	10.0	0.0	40.00	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
Total expected production per crop per month	Cauliflower	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
	Broccoli	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
	Mushroom	5.0	0.0	5.0	0.0	10.0	0.0	10.0	0.0	10.0	0.0	10.0	0.0	40.00	1.00
		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 6 special controlled crops from different production zone.





















TABLE: 2A																																		
KEYS : BEETROOT  ENGLISH CUCUMBER  SWEET POTATO  WATERMELON  SWEETMELON  LETTUCE 																																		
PERIOD: 01 Dec 2021 TO 30 April 2022																																		
NAME OF PRODUCER	MARKET			1-15 Dec-21					16-31 Dec-21					Jan-22					Feb-22					Mar-22					Apr-22					
	I	n	f	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 Kamwi Lubanda	√	√																																
2 Hans Matiti	√	√																																
3 Ms Madubeko	√	√																																
KAVANGO AREA																																		
1 Henock Katanga	√	√																																
2 Rosa Musenge	√	√																																
3 Elizabeth Johanness	√	√																																
4 Sakeus Joseph	√	√																																
5 Maria Magdalen	√	√																																
6 Alvisia Shitemo	√	√																																
7 Augustinus Proto Jnr	√	√																																
8 Henrick Locke	√	√																																
10 Lazarus Nande	√	√																																
11 Apolonia Munika	√	√																																
12 Annastacia Sifire	√	√																																
13 Godfrey Mushangwe	√	√																																
14 Christine Ndara	√	√																																

Table 2A continues.....

[illegible]

NORTH CENTRAL AREA

[illegible]

Table 2A continues.....

[illegible]

[illegible]

Table 2B shows the availability of Mushroom as a monitored crop and will only be harvested from central production zone.

Source: NAB 2021

4. EXPECTED PRODUCTION AND DEMAND ANNALYSIS

4.1 TABULATION ANALYSIS OF DOMESTIC DEMAND

According to table 3A, sufficient local supply of English Cucumbers, Sweet Potatoes, Watermelons, Sweetmelons is expected during the forecasted period.

Table 3A: Analysis of the total expected tonnage for domestic market versus domestic demand.								
Numbers in this table represents tonnage expected to harvested for local and export market								
Last updated: 19 Nov 2021								
Crops	Expected Surplus or Shortage	1-15 Dec 21	16-31 Dec 21	Jan-22	Feb-22	Mar-22	Apr-22	Total
Beetroot	Expected Tonnage for domestic market	256	89	65	50	50	0	421
	Average Domestic Demand (2019/20)	102	102	102	102	102	102	510
	Surplus / shortage (Tonnage)	154	-13	-37	-52	-52	-102	-89
English Cucumber	Expected Tonnage for domestic market	130	107	233	233	208	178	980
	Average Domestic Demand (2019/20)	105	105	105	105	105	105	525
	Surplus / shortage (Tonnage)	25	2	128	128	103	73	455
Sweet Potato	Expected Tonnage for domestic market	186	134	122	64	42	14	427
	Average Domestic Demand (2019/20)	115	115	115	115	115	115	575
	Surplus / shortage (Tonnage)	71	19	7	-51	-74	-101	-148
Watermelon	Expected Tonnage for domestic market	1296	667	1146	577	320	60	3398
	Average Domestic Demand (2019/20)	180	180	180	180	180	180	900
	Surplus / shortage (Tonnage)	1116	487	966	397	140	-120	2498
Sweet melon	Expected Tonnage for domestic market	143	205	243	251	95	5	736
	Average Domestic Demand (2019/20)	100	100	100	100	100	100	500
	Surplus / shortage (Tonnage)	43	105	143	151	-5	-95	236
Lettuce	Expected Tonnage for domestic market	78	76	131	116	114	114	553
	Average Domestic Demand (2019/20)	75	75	75	75	75	75	375
	Surplus / shortage (Tonnage)	3	1	56	41	39	39	178

Source: NAB 2021

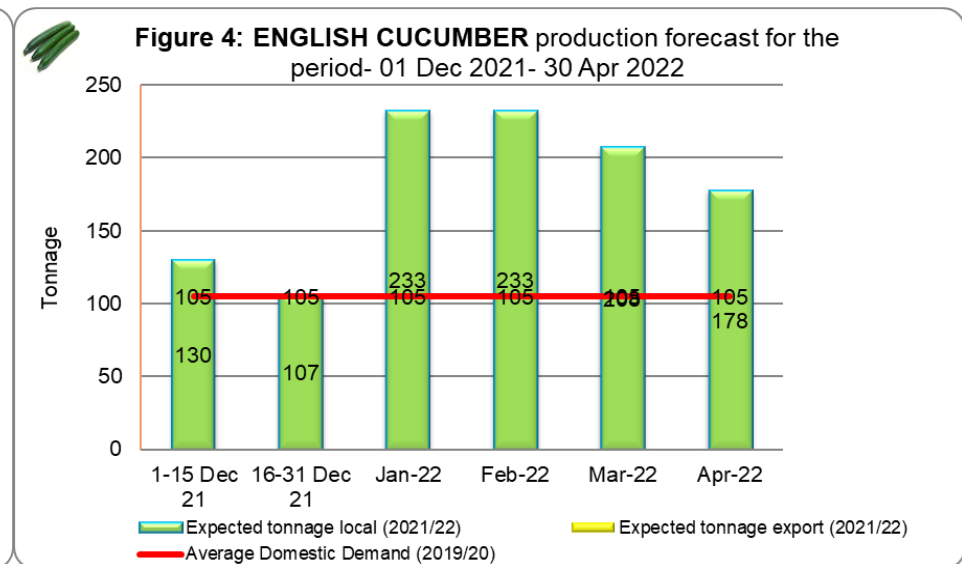
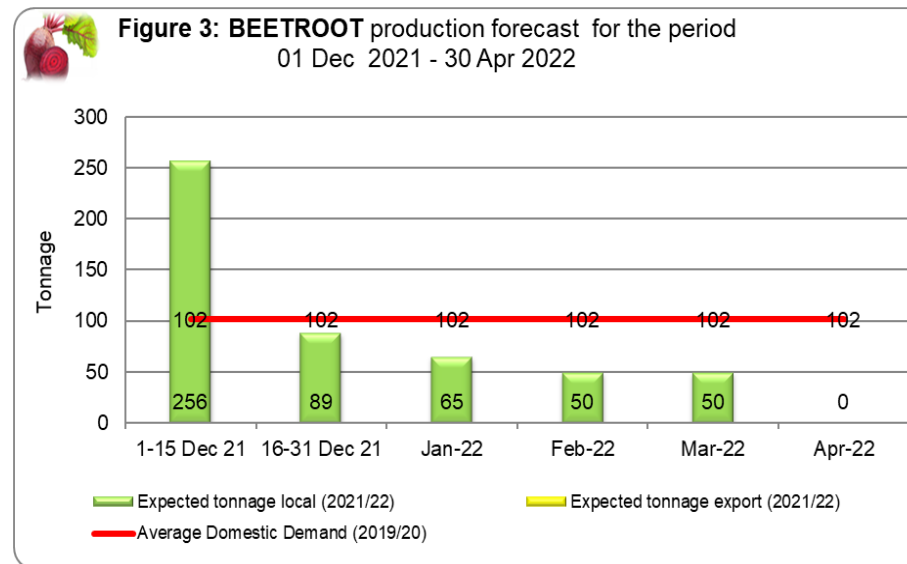
Table 3B indicate the total availability of Mushroom as a monitored crop.

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 Nov 2021								
Crops	Expected Surplus or Shortage	1-15 Dec 21	16-31 Dec 21	Jan-21	Feb-22	Mar-22	Apr-21	Total
Mushroom	Expected Tonnage for domestic market	5	5	10	10	10	10	45
	Average Domestic Demand (2018/19)	77	77	77	77	77	77	385
	Surplus / shortage (Tonnage)	-72	-72	-67	-67	-67	-67	-340

Source: NAB 2021

5 GRAPHICAL ANALYSIS

Figure 4 and 5 shows that there will be sufficient local supply for Beetroots and English Cucumbers for the forecasted period as illustrated in the figures below.



Graphical analysis continues.....



Figure 5: SWEET POTATO production forecast for the period
01 Dec 2021 - 30 Apr 2022

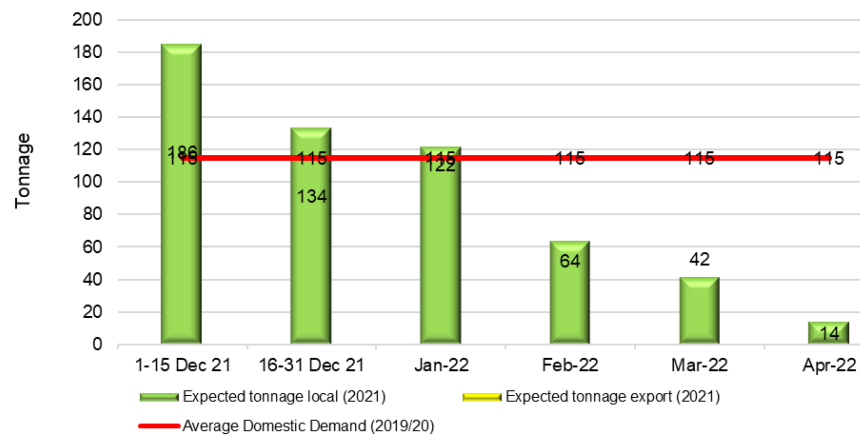


Figure 6: WATERMELON production forecast for the period
01 Dec 2021 - 30 Apr 2022

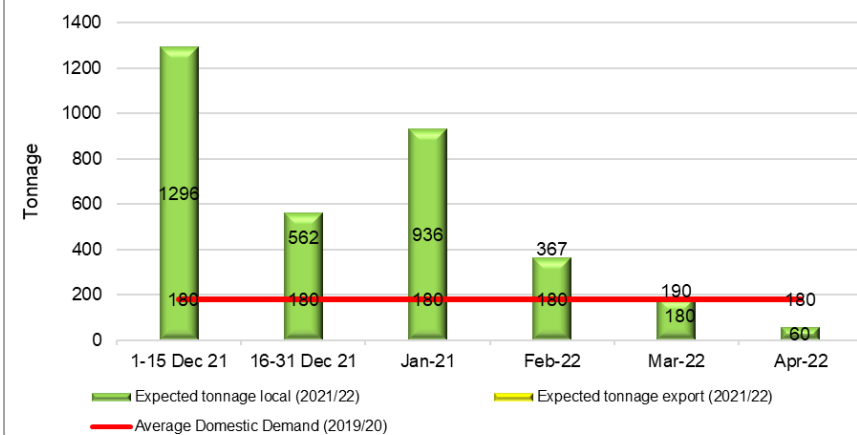


Figure 7: SWEET MELON production forecast for the period
01 Dec 2021- 30 Apr 2022

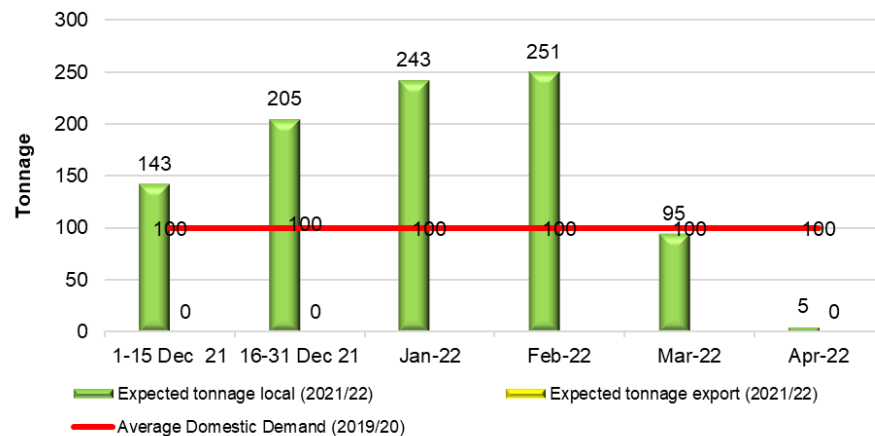
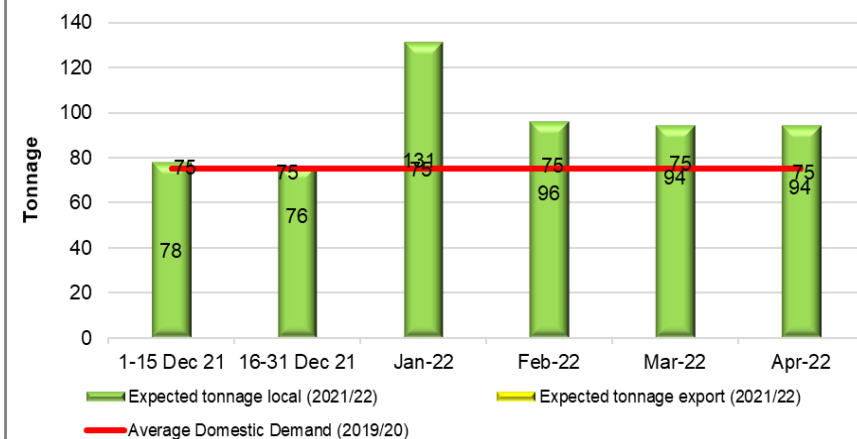


Figure 8: LETTUCE production forecast for the period
01 Dec 2021 - 30 Apr 2022



Graphical analysis continues....

