



















Beetroot English Cucumber Sweet Potato Watermelon Sweet melon

Lettuce . Cauliflower

Broccoli

HORTICULTURE: VEGETABLES PRODUCTION FORECAST

REPORT NO 3

FORECASTED PERIOD:

01 NOVEMBER 2021 TO 31 MARCH 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 <u>five special controlled products</u> i.e., Beetroot, English Cucumber, Sweet Potato, Watermelon and Sweet melon and Lettuce as well as <u>3 monitored crops</u> 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.

Source: NAB,2021

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. Furthermore, a large amount of watermelon and Sweet melon will be harvested from south and orange zone. While table 1B shows that Mushroom, Broccoli and Cauliflower will be harvested from Karst, Central and South and Orange respectively.

Table 1A: Month	ly expected production	n per ar	ea, per c	rop for t	he perio	d 01 No	v 2021 - :	31 Mar 2	2022						
	Numbers in the table	e below	represen	ts tonna	ge expe	ted to h	narvested	for loc	al and ex	cport ma	arket	L	ast updat	ed: 19 Oct 2	2021
PRODUCTION AREAS	CROPS	1-15 No	ov 21	16-30	Nov 21	Dec-21		Jan-22		Feb-22		Mar-22		Total (for	the 5 months period)
AILAS		Local	Export	Local	Export	Local	Export	Local	Export	Local	Export	Local	Export	Yield	Ha to be harvested
	Beetroot	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.23	0.02
	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
ZAMBEZI	Sweet Potatoes	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.27	0.08
ZAMBEZI	Watermelon	68.1	0.0	0.0	0.0	4.0	0.0	2.3	0.0	0.0	0.0	0.0	0.0	74.39	1.47
	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
	Beetroot	2.0	0.0	7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.49	0.63
	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
KAVANGO	Sweet Potatoes	0.0	0.0	31.1	0.0	0.2	0.0	0.0	0.0	7.5	0.0	0.0	0.0	11.41	0.77
RAVANGO	Watermelon	7.3	0.0	142.5	0.0	189.6	0.0	22.8	0.0	0.0	0.0	0.0	0.0	362.15	10.01
	Sweetmelon	0.0	0.0	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.80	0.40
	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
	Beetroot	3.3	0.0	8.3	0.0	13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.45	0.52
	English Cucumbers	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	0.00
NORTH	Sweet Potatoes	266.3	0.0	31.1	0.0	147.3	0.0	21.2	0.0	0.2	0.0	5.0	0.0	471.00	26.17
CENTRAL	Watermelon	221.0	0.0	32.0	0.0	139.0	0.0	0.0	0.0	6.3	0.0	0.0	0.0	398.20	10.45
	Sweetmelon	8.3	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.32	0.89
	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
	Beetroot	62.5	0.0	62.5	0.0	152.0	0.0	45.0	0.0	22.5	0.0	22.5	0.0	367.00	9.60
	English Cucumbers	0.0	0.0	5.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.00	0.00
KARSTLAND	Sweet Potatoes	0.0	0.0	0.0	0.0	0.0	0.0	30.0	0.0	0.0	0.0	0.0	0.0	30.00	2.00
IVANOTLAND	Watermelon	0.0	0.0	30.0	0.0	861.8	0.0	327.0	0.0	0.0	0.0	0.0	0.0	1218.75	28.38
	Sweetmelon	2.5	0.0	2.0	0.0	24.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	1.45
	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	1.45	0.00

	Beetroot	10.0	0.0	10.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	60.00	0.25
	English Cucumbers	115.0	0.0	97.5	0.0	222.5	0.0	222.5	0.0	197.5	0.0	167.5	0.0	667.50	19.59
CENTRAL	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
CLIVITAL	Watermelon	60.0	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	5.0	0.0	5.0	0.0	5.0	0.0	5.0	0.0	5.0	0.0	5.0	0.0	30.00	0.50
	Lettuce	45.0	0.0	45.0	0.0	90.0	0.0	90.0	0.0	90.0	0.0	90.0	0.0	430.00	12.50
	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	3.20
	English Cucumbers	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00
SOUTH AND	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	4.00
ORANGE RIVER	Watermelon	340.0	0.0	190.0	0.0	370.0	0.0	310.0	0.0	190.0	0.0	60.0	0.0	1915.00	19.00
	Sweetmelon	115.0	0.0	135.0	0.0	170.0	0.0	170.0	0.0	60.0	0.0	0.0	0.0	740.00	16.00
	Lettuce	24.0	0.0	24.0	0.0	48.0	0.0	40.0	0.0	25.0	0.0	0.0	0.0	161.00	0.70
	Beetroot	208.0	0.0	123.3	0.0	225.0	0.0	95.0	0.0	62.5	0.0	22.5	0.0	591.17	14.21
Total expected	English Cucumbers	115.0	0.0	112.5	0.0	227.5	0.0	222.5	0.0	197.5	0.0	167.5	0.0	682.50	19.59
	Sweet Potatoes	267.5	0.0	62.2	0.0	147.4	0.0	51.2	0.0	7.7	0.0	5.0	0.0	513.68	33.02
crop per month	Watermelon	696.3	0.0	394.5	0.0	1564.4	0.0	662.1	0.0	196.3	0.0	60.0	0.0	3968.49	69.31
	Sweetmelon	130.8	0.0	146.8	0.0	206.5	0.0	175.0	0.0	65.0	0.0	5.0	0.0	790.12	19.24
	Lettuce	69.0	0.0	69.0	0.0	138.0	0.0	130.0	0.0	115.0	0.0	90.0	0.0	592.45	13.20

Table 1A. continues....

	Numbers in the ta	ble below	represer	its tonna	ige expec	ted to I	harvested	for loc	al and ex	kport m	arket		Last updat	ed: 18 Oct	2021
PRODUCTION AREAS	CROPS	1-15 N	ov 21	16-31	Nov 21	Dec-21	l	Jan-22		Feb-22	2	Mar-22		Total (for	the 5 months period)
AREAS		Local	Export	Local	Export	Local	Export	Local	Export	Local	Export	Local	Export	Yield	Ha to be harvested
	Cauliflower	2.5	0.0	2.5	0.0	2.5	0.0	2.5	0.0	2.5	0.0	2.5	0.0	15.00	0.50
	Broccoli	1.0	0.0	1.0	0.0	2.0	0.0	2.0	0.0	2.0	0.0	2.0	0.0	10.00	0.50
KAROT AND	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
KARSTLAND		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
	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
0515041	Mushroom	4.0	0.0	4.0	0.0	8.0	0.0	8.0	0.0	8.0	0.0	8.0	0.0	32.00	0.00
CENTRAL		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
	Cauliflower	0.0	0.0	3.0	0.0	3.0	0.0	3.0	0.0	3.0	0.0	3.0	0.0	15.00	1.50
	Broccoli	3.2	0.0	3.1	0.0	6.0	0.0	6.0	0.0	6.0	0.0	6.0	0.0	30.30	1.20
SOUTH AND	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	4.00
ORANGE RIVER		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
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	Cauliflower	2.5	0.0	5.5	0.0	5.5	0.0	5.5	0.0	5.5	0.0	5.5	0.0	30.00	2.02
	Broccoli	4.2	0.0	4.1	0.0	8.0	0.0	8.0	0.0	8.0	0.0	8.0	0.0	40.30	1.70
Total expected production per	Mushroom	4.0	0.0	4.0	0.0	8.0	0.0	8.0	0.0	8.0	0.0	8.0	0.0	32.00	4.00
crop per month		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

3. EXPECTEDCTED AVAILABILITY PER PRODUCER

Table 2A below, shows the expected month of availability for the 6 special controlled crops, while table 2B shows the availability of Cauliflower, Broccoli and Mushroom as monitored crops, from each production zone.

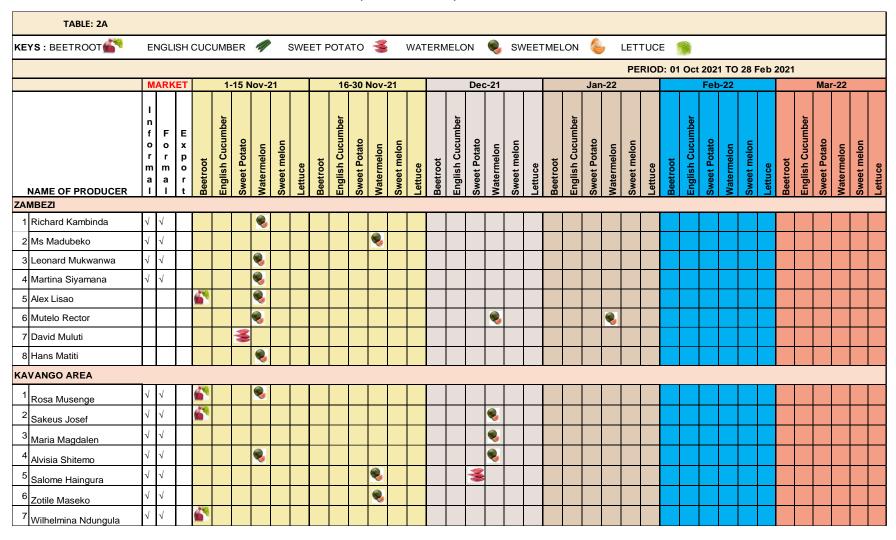


Table 2A continues.....

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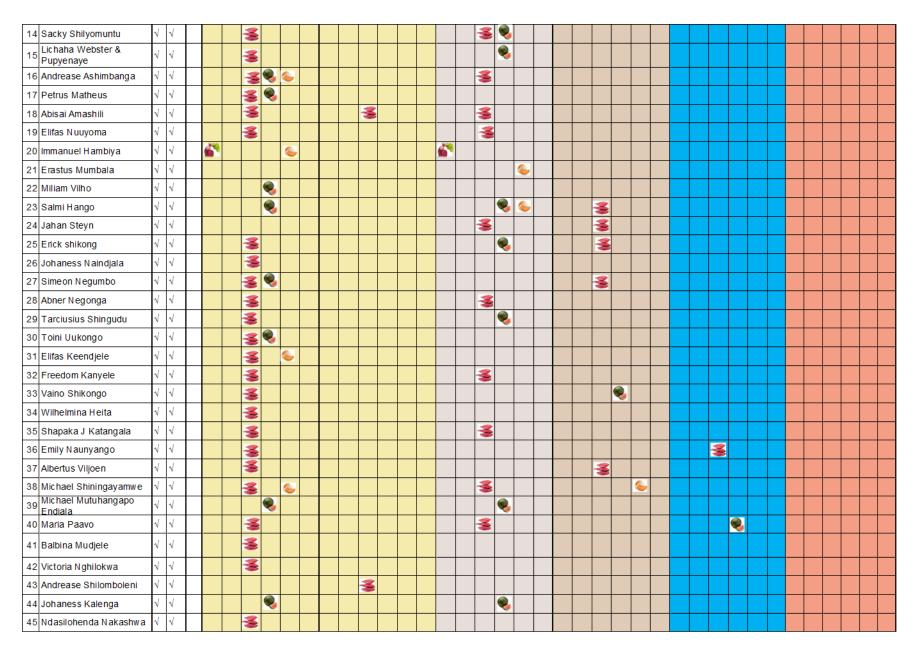
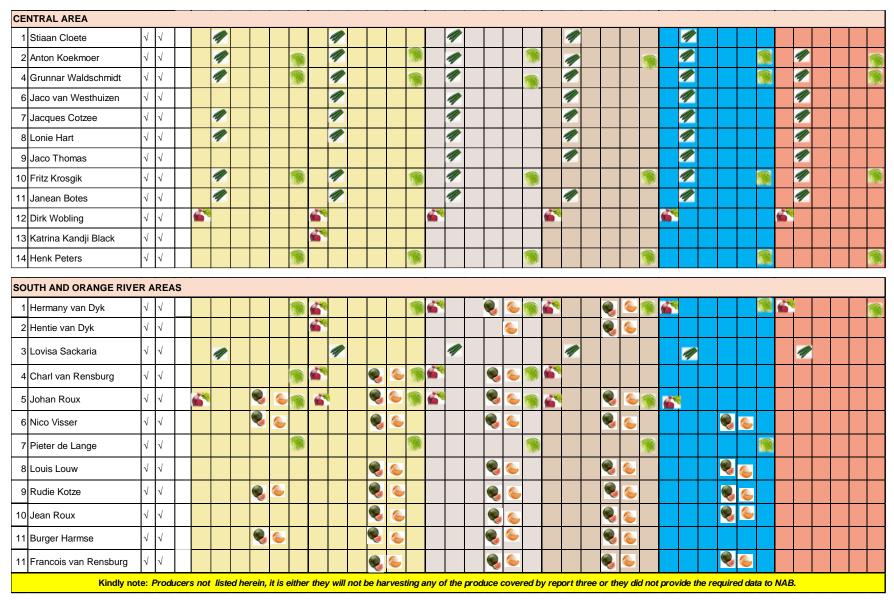
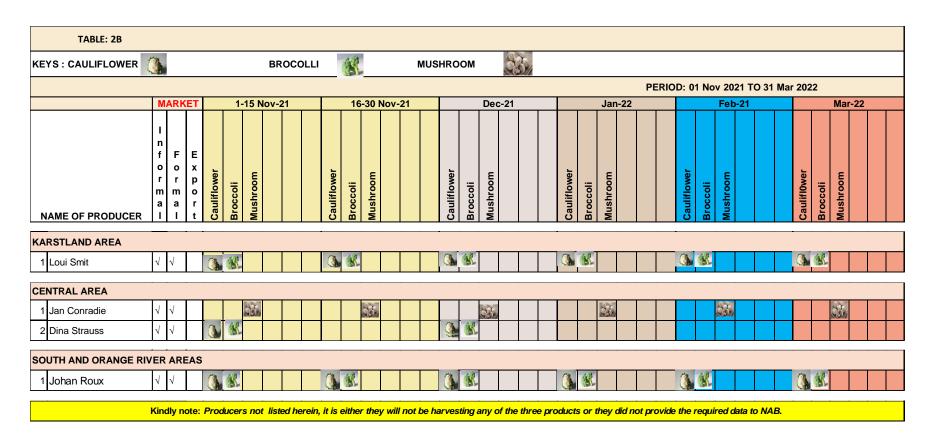


Table 2A continues.....

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2 Wilhem Shali																												
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Table 2A continues.....





4. EXPECTED PRODUCTION AND DEMAND ANNALYSIS

4.1 TABULATION ANALYSIS OF DOMESTIC DEMAND

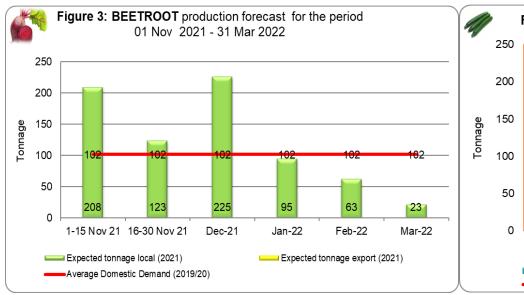
According to table 3A, sufficient local supply of Beetroots, Watermelon, Sweet melon and English Cucumbers is expected during the forecasted period. While 3B indicate the availability of Boroccoli, Cauliflower and Mushroom.

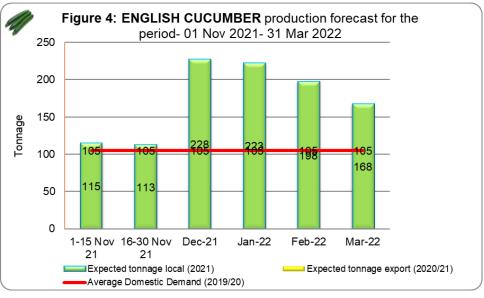
Table 3A: Analysis o	f the total expected tonnage for domestic	market v	ersus do	mestic d	emand.			
Numbers in thi	s table represents tonnage expected to harves			oort mark	et L	ast updated	l: 19 Oct :	2021
Crops	Expected Surplus or Shortage	1-15 Nov 21	16-31 Nov 21	Dec-21	Jan-22	Feb-22	Mar-22	Total
	Expected Tonnage for domestic market	208	123	225	95	63	23	613
Beetroot	Average Domestic Demand (2019/20)	102	102	102	102	102	102	510
	Surplus / shortage (Tonnage)	106	21	123	-7	-40	-80	103
	Expected Tonnage for domestic market	115	113	228	223	198	168	930
English Cucumber	Average Domestic Demand (2019/20)	105	105	105	105	105	105	525
	Surplus / shortage (Tonnage)	10	8	123	118	93	63	405
	Expected Tonnage for domestic market	268	62	147	51	8	5	479
Sweet Potato	Average Domestic Demand (2019/20)	115	115	115	115	115	115	575
	Surplus / shortage (Tonnage)	153	-53	32	-64	-107	-110	-96
	Expected Tonnage for domestic market	696	395	1564	662	196	60	3179
Watermelon	Average Domestic Demand (2019/20)	160	160	160	160	160	160	800
	Surplus / shortage (Tonnage)	536	235	1404	502	36	-100	2379
	Expected Tonnage for domestic market	131	147	207	175	65	5	582
Sweet melon	Average Domestic Demand (2019/20)	100	100	100	100	100	100	500
	Surplus / shortage (Tonnage)	31	47	107	75	-35	-95	82
	Expected Tonnage for domestic market	69	69	138	130	115	90	542
Lettuce	Average Domestic Demand (2019/20)	75	75	75	75	75	75	375
	Surplus / shortage (Tonnage)	-6	-6	63	55	40	15	167

Table 3B: Analysis o	f the total expected tonnage for domestic	market v	ersus do	mestic d	emand.			
Numbers in this	s table represents tonnage expected to harvest	ed for loc	al and exp	ort mark	et L	ast updated	: 18 Nov	2021
Crops	Expected Surplus or Shortage	1-15 Nov 21	16-30 Nov 21	Dec-21	Jan-22	Feb-22	Mar-21	Total
	Expected Tonnage for domestic market	3	6	6	6	6	6	25
Cauliflower	Average Domestic Demand (2018/19)	45	45	45	45	45	45	225
	Surplus / shortage (Tonnage)	-43	-40	-40	-40	-40	-40	-201
	Expected Tonnage for domestic market	4	4	8	8	8	8	36
Broccoli	Average Domestic Demand (2018/19)	36	36	36	36	36	36	180
	Surplus / shortage (Tonnage)	-32	-32	-28	-28	-28	-28	-144
	Expected Tonnage for domestic market	4	4	8	8	8	8	36
Mushroom	Average Domestic Demand (2018/19)	77	77	77	77	77	77	385
	Surplus / shortage (Tonnage)	-73	-73	-69	-69	-69	-69	-349

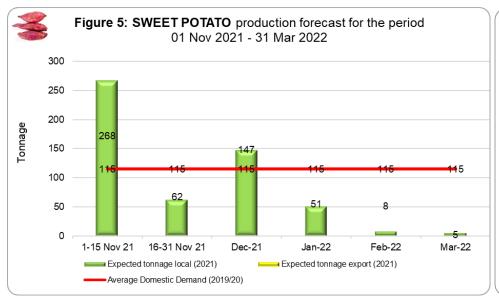
5 GRAPHICAL ANALYSIS

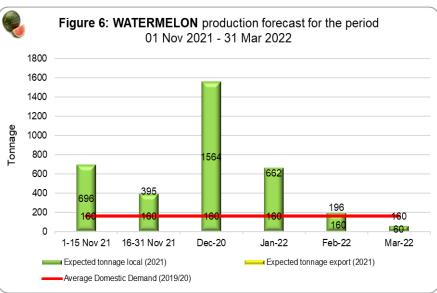
Figure 3,4,5 and 7 shows that there will be sufficient local supply for Beetroots, English Cucumbers, Watermelon and Sweetmelon for the forecasted period as illustrated in the figures below.

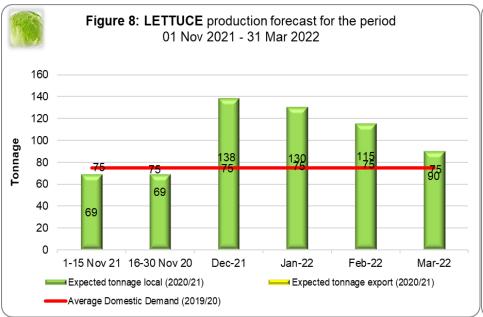


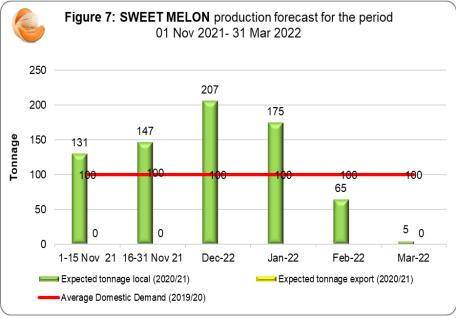


Graphical analysis continues......

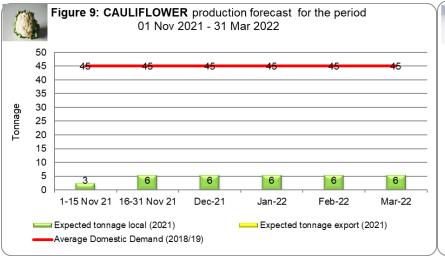


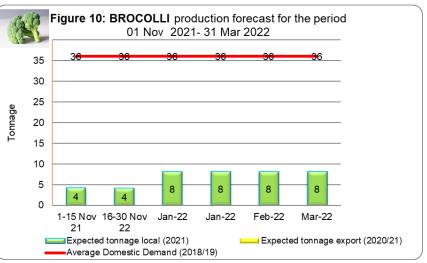


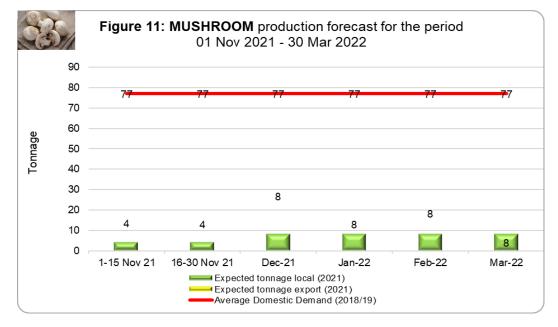




Graphical analysis continues....







6. CONCLUSION and RECOMENDATIONS

The report clearly indicates that there will be sufficient local supply of Beetroots, English Cucumbers (refer to table 3 and figure 3,4,5,7). Therefore, import restriction will be implemented for English Cucumber, Beetroots and sweet potatoes for the <u>special import permit period</u> 1-30 November 2021. Lettuce will be opened on pro-lata. Further import restriction will be implemented during the reporting period; however, this will be based on updated production data from the producers. Hence, 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. Also, Traders are encouraged to contact the local producers to arrange for their local purchases and comply with the MSP requirements.

Furthermore, Broccoli, Cauliflower and Mushroom are 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.

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