

Butternuts











NAMIBIAN AGRONOMIC BOARD

Cabbage

Onions

Potatoes

HORTICULTURE: VEGETABLE PRODUCTION FORECAST

REPORT NO. 1

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. 1, covers the local production forecast for the six (6) special controlled crops i.e. Butternuts, Cabbage, Gem Squash, Onions, Potatoes and Pumpkins. The production of the special controlled products is monitored by NAB and involves close border period whenever sufficient local production is expected, and it 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 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.

Thus, this report discusses the production forecast per production area (table 2), availability of the expected crops per producer (table 3), tabulation (table 4) and graphical (figure 1 to 6) analysis for the expected production versus local demand for this reporting period.

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		Zebra Butternut and Baby Butternut. All frozen, dried, cooked and preserved Butternuts (Whole or Cut).
	Cut Green Cabbage, except the "Exclusions".	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".	All frozen, dried, cooked and preserved Gem Squash (Whole or Cut).
4. Onions		White Salad Onions and Red Onions. All frozen, dried, cooked and preserved Onions (Whole or Cut).
5. Potatoes	All types, size groups and container sizes of fresh, chilled, whole of 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	cut pumpkins, except the "Exclusions".	All frozen, dried, cooked and preserved pumpkin. All decorative types of pumpkin.

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 FORECAST PER AREA

Tables 2 below shows the total expected tonnage, yield and hectares of crops to be harvested during this reporting period.

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Numbers in the t	able below repre	esents tonr	nage										Last updated:	20 October 2021
PRODUCTION	Special controlled and		Nov-21		Dec	:-21	Jan	-22	Feb	-22	Mar	r-22	Total (for th	ne 5 months period)
AREAS	monitored crops	01-15 Nov 21 Local	16-30 Nov 21 Local	01-30 Nov 21 Export	Local	Export	Local	Export	Local	Export	Local	Export	Yield	Ha to be harvested
	Butternuts	0.31	9.66	0.00	14.25	0.00	0.61	0.00	0.00	0.00	0.00	0.00	24.83	1.01
	Cabbage	17.01	23.44	0.00	3.45	0.00	12.92	0.00	5.10	0.00	0.00	0.00	61.92	1.59
ZAMBEZI REGION	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	3.73	3.93	0.00	3.83	0.00	2.55	0.00	0.00	0.00	0.00	0.00	14.03	0.60
	Pumpkins	1.08	1.10	0.00	1.63	0.00	1.11	0.00	0.00	0.00	0.00	0.00	4.91	0.13
	Butternuts	5.96	27.79	0.00	39.64	0.00	2.24	0.00	0.00	0.00	0.00	0.00	75.62	5.93
	Cabbage	57.38	57.67	0.00	38.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	153.31	5.54
KAVANGO	Gem squash	0.34	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.77	0.06
REGIONS	Onions	207.52	213.44	0.00	54.03	0.00	4.97	0.00	0.00	0.00	0.00	0.00	479.97	16.28
	Potatoes	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	0.00	3.40	0.00	95.20	0.00	85.00	0.00	0.00	0.00	0.00	0.00	183.60	5.40
	Butternuts	48.71	61.97	0.00	64.81	0.00	56.95	0.00	12.75	0.00	0.00	0.00	245.18	15.82
	Cabbage	147.05	168.30	0.00	323.00	0.00	80.75	0.00	0.00	0.00	0.00	0.00	719.10	20.67
NORTH CENTRAL	Gem squash	0.00	2.98	0.00	6.80	0.00	8.50	0.00	0.00	0.00	0.00	0.00	18.28	1.20
	Onions	34.43	31.03	0.00	19.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	84.58	5.62
	Pumpkins	5.53	7.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.75	0.50
	Butternuts	0.00	0.00	0.00	224.61	0.00	123.25	0.00	73.95	0.00	65.45	0.00	487.26	26.06
	Cabbage	333.20	378.25	0.00	721.65	0.00	401.20	0.00	167.45	0.00	127.50	0.00	2129.25	41.20
KARSTLAND	Gem squash	0.00	0.00	0.00	4.25	0.00	4.25	0.00	0.00	0.00	0.00	0.00	8.50	0.50
1011011110	Onions	654.93	748.43	153.00	481.95	85.00	297.50	0.00	0.00	0.00	0.00	0.00	2420.80	80.32
	Potatoes	255.00	943.50	0.00	1876.38	0.00	477.70	0.00	255.00	0.00	0.00	0.00	3807.58	108.75
	Pumpkins	2.55	7.65	0.00	44.20	0.00	61.20	0.00	39.95	0.00	22.95	0.00	178.50	5.75
	Butternuts	0.00	5.10	0.00	80.75	0.00	8.50	0.00	0.00	0.00	0.00	0.00	94.35	3.65
	Cabbage	110.08	232.90	0.00	481.10	0.00	153.00	0.00	119.00	0.00	119.00	0.00	1215.08	22.80
CENTRAL	Gem squash	12.75	12.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.50	1.00
OLIVIIVAL	Onions	527.00	484.50	0.00	432.65	0.00	17.00	0.00	0.00	0.00	0.00	0.00	1461.15	29.80
	Potatoes	0.00	0.00	0.00	1433.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1433.95	37.50
	Pumpkins	2.98	3.40	0.00	102.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	108.38	3.15
	Butternuts	13.60	59.50	0.00	38.25	0.00	25.50	0.00	25.50	0.00	25.50	0.00	187.85	7.20
SOUTH AND	Cabbage	81.26	34.00	0.00	46.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	162.01	4.72
ORANGE RIVER	Gem squash	0.00	25.50	0.00	45.48	0.00	25.50	0.00	25.50	0.00	25.50	0.00	147.48	4.48
CIVAINOL IVIVER	Onions	48.45	48.45	0.00	134.47	0.00	121.55	0.00	64.18	0.00	51.00	0.00	468.10	14.18
	Pumpkins	0.00	0.00	0.00	125.80	0.00	68.00	0.00	0.00	0.00	38.25	0.00	232.05	6.20
	Butternuts	69	164	0	462	0	217	0	112	0	91	0	1115	60
Total expected	Cabbage	746	895	0	1614	0	648	0	292	0	247	0	4441	97
production	Gem Squash	13	42	0	57	0	38	0	26	0	26	0	201	7
tonnage per crop	Onions	1428	1481	153	992	85	322	0	0	0	0	0	4461	133
per month	Potatoes	255	944	0	3310	0	478	0	255	0	0	0	5242	146
	Pumpkins	12	23	0	369	0	215	0	40	0	61	0	720	21

Source: NAB, 2021

3. AVAILABILITY OF THE EXPECTED CROPS PER PRODUCERS

Table 3 shows availability of the expected special controlled crops per area, per producer. This table further shows that during the forecasted period, cabbage and onions are expected to be available in all production areas. Traders are thus advised to contact producers listed in a table below to place their orders.

	Table 3: THE FIVE MONT	THS E	EXPE	CTE) AVA	AILA	BILIT	ГΥС	ALE	NDA	R FC)R 1	ГНЕ	SPE	CIAL	CO	NTR	OLLE	ED C	ROF	PS (Butte	rnu	ts, C	abba	age,	Gen	n sq	uasl	h, O	nion	ıs, P	otat	oes	and	Pum	pkin	s)	
		KI	EY:	BUT	TERN	NUT =	= 🎉	2	CAE	BBAC	3E = ¶			G	EM S	QUA	SH=			ONI	ON =	= 🍓		POT	ATO	= 🔞		Pι	JMPI	KIN =	=								
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		Targ	jet Mar	rket		01-1	5 No	ov 2	021		16	6-30	Nov	v 20	21			Dec	c-21					Jan-	22					Feb	-22					Mar	-22		
	Contact Person	Local informal	Local Formal	Export	Butternuts	Cabbage	Gem Squash	Onions	Potatoes	Pumpkins	Butternuts	Cannage	Gem Squash	Suoino	Pumpking	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
ZAN	IBEZI																																						
1	Benedict Musialike		$\sqrt{}$																																				
2	Bernard Sitali	\checkmark	\checkmark					0			0)	(9																									
3	Clemens Makumbi		\checkmark								0	3)				4	2																						
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7	Gabriel Nyambe	√	\checkmark								0))																											
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17	Richard Kambinda (ZVTC)	√	$\sqrt{}$					b			(3)	Ì	9			2																						

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KAVANGO																													
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2 Agnes Kudumo	√	√													1))													
3 Alvisia Shitemo	√	√							è			(0)																	
4 Annastacia Fulai	√	√					0			•		(0)																	
5 Augustinus Poroto	√	√					0																						
6 Christine Ndara	√	√							ě																				
7 Cornelius Haingura	√	√											0	(Table															
8 Eleoteria Kapepo	√	√							ě						0	3)													
9 Elizabeth Johannes	√	√					0					0																	
10 Felismina Kaumba	√	√							-	0																			
11 Floris Smith	√	√							-	0																			
12 Hakusembe Leevi Hamatwi	√	√			0				ě	0)					())													
13 Henrick Locke	√	√			0				(0)))													
14 Johanna Salomo	√	√			0		0		ě	0)		(a)																	
15 Johannes Haufiku	√	√						4	è																				
16 Juakina Andreas	√	√			0		0		-	0		9																	
17 Kasiku Ihemba	√	√																											
18 Kayombe Jao	√	√					0					0																	
19 Laurentia Nkandanga	√	√					0					(a)																	
20 Magdalena Simuketa	√	√		No.					è																				
21 Maria Augusto	√	√			0		0		((0)		(9)																	
22 Maria Magdalena Wihanga	√	√		1			0		9	(3)		0																	
23 Ndongalinena GSIP	√	√										0																	
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26 Raphael Kampanza	√	√					0					0																	
27 Reino Siwoko	V	√						-	ð					4	<u></u>														
28 Rosa Musenge	√	√						46	ð			0					0												
29 Sakeus Josef	√	√															0												
30 Sallome Haingura	V	√						4	ð					4															
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32 Theresia Ambrosius	√	√					0																						
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Table 3 continues...

Contact Person	Local informal	local Formal	Export	0	1-15	Nov 2	021		16-3	0 No	v 202	1		D	ec-21			Jan	-22		F	eb-2	22		ı	Mar-2	2
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2 Albertus Viljoen	√			<u></u>))				0					0)			2										
3 Andreas Ashimbanga	$\sqrt{}$					0																					
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5 Assery Moses	$\sqrt{}$																										
6 Elifas Keendjele	\checkmark			1																							
7 Elifas Nuuyoma	$\sqrt{}$												1														
8 Elise Auino	\checkmark	\checkmark																									
9 Emilie Marais	$\sqrt{}$			<u></u>))				0)																		
10 Emilie Naunyango	\checkmark	$\sqrt{}$																									
11 Epafras Hilengwa	$\sqrt{}$													•													
12 Erastus Mumbala	$\sqrt{}$																										
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20 Ismael Kapuka	\checkmark					0					0																
21 J. Steyn	\checkmark			4))				0																		
22 Johannes Naindjala	$\sqrt{}$	\checkmark						1	0																		
23 Junias Mwafekelange	$\sqrt{}$	$\sqrt{}$											d														
24 Karlos Shinohamba	$\sqrt{}$	$\sqrt{}$																									
25 Michael Shiningamwe	$\sqrt{}$	\checkmark															2										
26 Moses Shambwila	$\sqrt{}$	$\sqrt{}$															2										
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41	Vaino Shikongo	√	√																											
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43	Victoria Nghilokwa	V	V				Ò				ď)																		
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	Contact Person	Local informal	local Formal	Export		01-15	5 Nov	202	21	16-30	Nov	202	1		Dec-	-21			Jai	1-22			Fe	b-22	2		Mar-	22		
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3	C.J von Mollendorff		$\sqrt{}$																											
4	Dawid Bisschoff	$\sqrt{}$	$\sqrt{}$							(3)									1											
5	De Wet Steven Robinson	$\sqrt{}$	$\sqrt{}$								Č.)																		
6	Dirk van der Berg		$\sqrt{}$																			0	9							
7	Elizabeth & Erick van Druten	$\sqrt{}$	$\sqrt{}$			(1)				0	(9		1		0					3			0	
8	Elizabeth Nekundi	$\sqrt{}$	$\sqrt{}$																											
9	Etuna Nashima	$\sqrt{}$	$\sqrt{}$							0									1											
10	Fanuel Uugwanga	$\sqrt{}$	$\sqrt{}$																											
11	Fredrik Haixwa (Paddy Ren)	$\sqrt{}$	$\sqrt{}$															2												
12	Gerhard Sachse	$\sqrt{}$	$\sqrt{}$																											
13	Gero Hirsch	$\sqrt{}$	$\sqrt{}$							0						(9													
14	Gerrit Cilliers	$\sqrt{}$	$\sqrt{}$																											
15	Hagen Frenzel	$\sqrt{}$	$\sqrt{}$				Į.																							
16	Hannes Swanepoel	$\sqrt{}$	$\sqrt{}$			0				0	Ò)	Ò								,	•))						(in
17	Hansie van der Merwe	$\sqrt{}$	$\sqrt{}$								Ø						9				(
18	Hennie Kruger	$\sqrt{}$	$\sqrt{}$				ð				<u>a</u>																			
19	Hilma Jacobs	$\sqrt{}$	$\sqrt{}$				ě				A																			
20	Jan Cronje		$\sqrt{}$				X				(a)																		

Table 3 continues...

21	Johan E. van der Merwe	V	V					(1)			<u> </u>				1															
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40	Sabine Blume & Elke Naude	√	$\sqrt{}$											(i)																
41	Theopauline Ruiter	V	$\sqrt{}$					(3)			(0)																			
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43	Willem Shali	√	$\sqrt{}$	$\sqrt{}$																	0	9								
CE	NTRAL																		,	-			•		-		,			
N	AME OF PRODUCER	Local informal	local Formal	Export	01-15	Nov 2	2021	16-30	Nov 2	2021		Dec	-21				Jan-	22				Fe	b-22				М	ar-22	2	
1	Ernest Dewaal	√	V					(1)																						
2	Grace Katjiuene	√	√		(1)		(d)	0)																						
3	Hagen Horsthmark	√	V		•			(3)			(()			(in							0	9				4				
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Table 3 continues...

7	Magnus Kurz	V																		-												
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13	Stefan Gaugler		$\sqrt{}$			0				0					1))																
14	Stenly Mcloud		$\sqrt{}$	√				9																								
SO	JTH AND ORANGE RIVER															•																
N	IAME OF PRODUCER	Local informal	local Formal	Export	(01-1	5 No	v 20	21	16-3	0 No	ov 20)21			De	c-21				J	an-2	2		Fe	b-22	2		N	Mar-2	22	
1	Alisa Nghikwena					0																Ò										
2	Burger J. Harmse	$\sqrt{}$	√																													
3	Charl Van Rensburg		$\sqrt{}$																													
4	Fanie Louw	$\sqrt{}$	$\sqrt{}$																													
5	Hendrik Berg	$\sqrt{}$)			1		
6	Hentie van Dyk	$\sqrt{}$	$\sqrt{}$					0				0																				
7	Herman van Dyk	√													9	•																
8	Hoekes van Niekerk	√								0																						
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10	Jean Roux									0					0))																
11	Jimmy O kennedy	$\sqrt{}$	$\sqrt{}$																													
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13	Jones Nghishimwe	$\sqrt{}$	$\sqrt{}$			0				0																						
14	Loius Louw	$\sqrt{}$	$\sqrt{}$									0																				
15	Nestor Shityeni		$\sqrt{}$)					
16	Rudi Kotze	V	V											-	è							0										
17	Ulrich Schneider	V	V															0									1					
18	Zirk Jansen																															

Note: Producers not listed herein, it is either because they will not harvest any of the six (6) special controlled products or they did not provide their production data for this reporting period.

Kindly note that, producers who wash potatoes in Namibia includes: Lourens Le Grange in Kavango; Cobus Coetzee, Hannes Arangies, Hansie van der Merwe, Jan Keyser and Loui Smit in the Karst while in central there is Ludie Kolver and Etienne Jooste. All other producers supplies unwashed or brushed potatoes

Source: NAB, 2021

4. EXPECTED PRODUCTION VS DEMAND ANALYSIS

4.1 TABULATION ANALYSIS

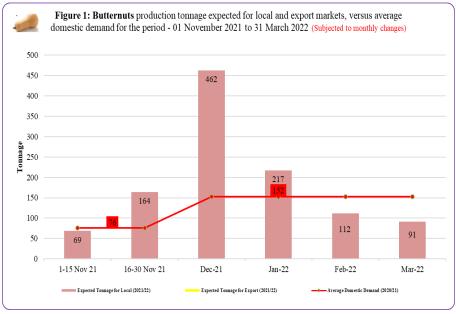
Table 4 below shows that, the total tonnage expected for cabbage and onions will be sufficient to satisfy the domestic market in November 2021. **Table 4** further shows that; potatoes and pumpkins are forecasted to be insufficient for the domestic demand in November 2021.

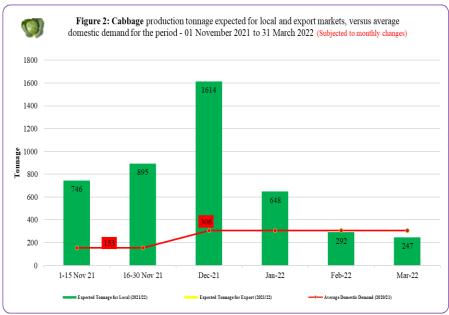
Table 4: ANA	LYSIS OF THE EXPECTED TONNA	GE FOR DO	MESTIC MA	RKET VER	SUS AVER	AGE DOME	STIC DEMA	.ND
Numbers in tl	his table represents tonnage				La	st updated:	20 October 2	2021
Special Controlled Crops	Expected Surplus or Shortage	01-15 Nov 2021	16-30 Nov 2021	Dec-21	Jan-22	Feb-22	Mar-22	Total
	Expected for domestic market	69	164	462	217	112	91	1047
Butternuts	Average domestic demand	76	76	152	152	152	152	686
	Surplus / shortage	-8	88	310	65	-40	-61	361
	Expected for domestic market	746	895	1614	648	292	247	3695
Cabbage	Average domestic demand	153	153	306	306	306	306	1379
	Surplus / shortage	593	741	1308	341	-15	-60	2316
	Expected for domestic market	13	42	57	38	26	26	187
Gem Squash	Average domestic demand	15	15	30	30	30	30	135
	Surplus / shortage	-2	27	27	8	-4	-4	53
	Expected for domestic market	1428	1481	992	322	0	0	2795
Onions	Average domestic demand	378	378	755	755	755	755	3399
	Surplus / shortage	1050	1104	236	-433	-755	-755	-604
	Expected for domestic market	255	944	3310	478	255	0	4987
Potatoes	Average domestic demand	2,086	2086	4172	4172	4172	4172	18775
	Surplus / shortage	-1831	-1143	-862	-3694	-3917	-4172	-13788
	Expected for domestic market	12	23	369	215	40	61	720
Pumpkins	Average domestic demand	28	28	56	56	56	56	282
	Surplus / shortage	-16	-5	312	159	-17	5	438

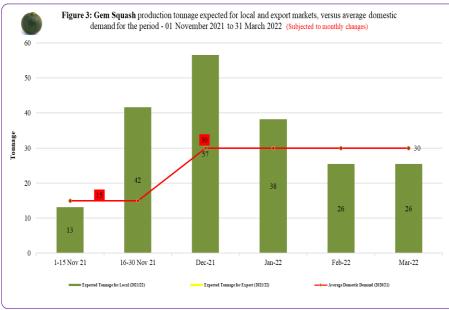
Source: NAB, 2021

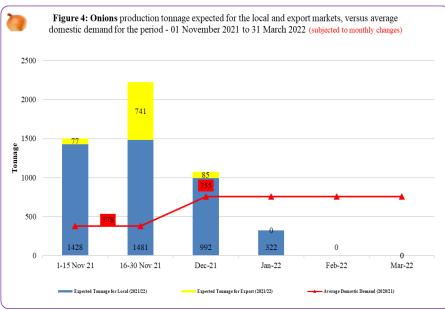
4.2 GRAPHICAL ANALYSIS

Graphical analysis shows the domestic production tonnage expected for the local and export markets as well as the average domestic demand. **Figure 2** and 4 below shows that the projected production tonnage for cabbage and onions reserved for local market is expected to be sufficient in November 2021. Whereas, **figure 1** and **3** shows that butternuts and gem squash are expected to be insufficient in the first two weeks of November 2021.

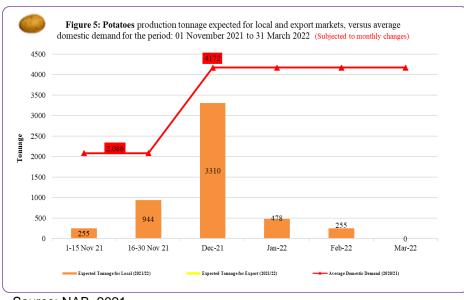


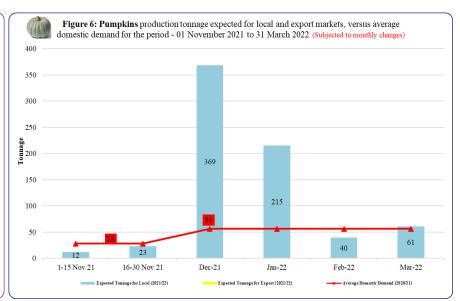






Graphical analysis figures continue...





Source: NAB, 2021

5. CONCLUSIONS AND RECOMMENDATIONS

The report concludes that, there will be **sufficient local supply** of **cabbage** and **onions** in November 2021. Therefore, it is recommended that the **borders be closed** to restrict the importation of these two (2) crops as from **01 to 30 November 2021**.

Butternuts and gem squash are reported to be insufficient for the first two weeks of November 2021. It is therefore recommended that the borders be open to allow importation of butternuts, gem squash as from 01 to 15 November 2021 only; however, 47% MSP rules shall apply. It is further reported that there will be insufficient local supply of potatoes and pumpkins in November 2021. Thus, it is recommended that the borders be open to allow importation of washed potatoes and pumpkins without restrictions; however, 47% MSP rules shall apply.

Moreover, registered traders are encouraged to buy more of local produced vegetables and ensure compliance to the minimum Market Share Promotion requirements. Traders are therefore advised to contact registered Producers who are expected to harvest these products as per **the availability calendar (table 3)** in this report, to make necessary arrangements for their local purchases.

Conclusively, all vegetable Producers are advised to provide / send their production data to the Horticulture Market Development sub-division within NAB every month in order to ensure that all local vegetable production data are recorded. These data are very crucial as it helps NAB to make informed and sound decisions with regards to the opening and closing of borders to either allow or restrict importation of vegetables whenever there is a local supply shortage or surplus respectively. Producers are further advised to immediately notify NAB in case of deviations from their planting program or in the event of crop failure due to factors beyond their control.