

Butternuts



Cabbage



Onions

Gem Squash



Potatoes



Broccoli



Cauliflower



HORTICULTURE: VEGETABLES PRODUCTION FORECAST

REPORT NO 1

FORECASTED PERIOD:

01 NOVEMBER 2020 TO 31 MARCH 2021

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 five special controlled crops i.e. **Potato, Onion, Butternut, Cabbage and Gem Squash** as well as the two monitored crops i.e. **Broccoli and Cauliflower**. 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. Thus, this report discusses the production forecasted per area, Crops that are expected to be available per particular producer, tabulation and graphical analysis on expected production versus local demand and subsequently the hectares planted and average yield expected per hectares for this reporting period.

I dole II one	w the metasions and exclusions of the special contra-	
Product	Inclusions	Exclusions
1.Potatoes	All types, size groups and container sizes of fresh, chilled, Whole or 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).
2. Onions	All types, size groups and container sizes of fresh, chilled, Whole or Cut Onion, except the "Exclusions".	White Salad Onions and Red Onions. All frozen, dried, cooked and preserved Onions (Whole or Cut).
3. Cabbage	All types, size groups and container sizes of fresh, chilled, Whole or Cut Green Cabbage, except the "Exclusions".	Chinese cabbage, Baby Green Cabbage, Baby Red Cabbage, Mixed Baby Red & Green Cabbage, Large red cabbage, Savoy Cabbage. All frozen, dried, cooked and preserved Cabbage (Whole or Cut).
4. Butternuts	All types, size groups and container sizes of fresh, chilled, Whole or Cut Butternut, except the "Exclusions".	Zebra Butternut and Baby Butternut. All frozen, dried, cooked and preserved Butternuts (Whole or Cut).
5. 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).

Table 1: Show the inclusions and exclusions of the special controlled products.

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.

	IVE MONTHS I				ON PER (CROP, F	PER ARE	A FOR T	HE PER	IOD: 01	Novemb		
Numbers in th	e table below	repres	sents to	nnage								Last updated:	16 October 2020
PRODUCTION	Special controlled and monitored	Νον	/-20	Dec	:-20	Jar	า-21	Feb	b-21	Mai	r-21	Total (for the	ne 5 months period)
AREAS	crops	Local	Export	Local	Export	Local	Export	Local	Export	Local	Export	Yield	Ha to be harvested
	Butternuts	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ZAMBEZI REGION	Cabbage	60.10	0.00	57.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	117.80	2.66
	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
	Onions	16.41	0.00	11.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.46	1.05
	Butternuts	135.99	0.00	75.00	0.00	45.90	0.00	0.00	0.00	0.00	0.00	256.90	14.16
KAVANGO	Cabbage	111.76	0.00	27.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	138.81	3.37
REGIONS	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
REGIONS	Onions	56.31	0.00	23.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	80.08	5.55
	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
	Butternuts	60.01	0.00	51.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	111.86	9.10
NORTH CENTRAL	Cabbage	256.96	0.00	184.88	0.00	117.30	0.00	137.70	0.00	0.00	0.00	696.83	23.79
	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
	onions	8.50	0.00	1.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.20	0.65
	Butternuts	34.85	0.00	197.20	0.00	46.75	0.00	12.75	0.00	89.25	0.00	380.80	16.75
	Cabbage	421.60	0.00	463.25	0.00	262.65	0.00	343.40	0.00	530.40	0.00	2021.30	39.34
KARSTLAND	Gem squash	22.78	0.00	4.76	0.00	3.15	0.00	3.15	0.00	3.15	0.00	36.98	2.25
		1331.95		306.00	85.00	12.75	0.00	0.00	0.00	0.00	0.00	2011.95	44.80
		1385.50	0.00	1037.00	0.00	1236.75		425.00	0.00	425.00	0.00	4509.25	116.20
	Butternuts	0.00	0.00	35.70	0.00	51.00	0.00	76.50	0.00	0.00	0.00	163.20	6.40
	Cabbage	141.10	0.00	317.05	0.00	236.33	0.00	183.60	0.00	0.00	0.00	878.08	20.80
CENTRAL	Gem squash	12.75	0.00	51.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	63.75	2.50
	Onions	161.50	571.20	27.20	0.00	8.50	0.00	0.00	0.00	0.00	0.00	768.40	15.55
	Potatoes	170.00	0.00	1830.05	0.00	746.30	0.00	920.55	0.00	425.00	0.00	4091.90	113.20
	Butternuts	286.88	172.13	368.48	172.13	155.55	0.00	85.00	0.00	51.00	0.00	1291.15	47.36
SOUTH AND	Cabbage	165.75	0.00	72.25	0.00	21.25	0.00	0.00	0.00	0.00	0.00	259.25	4.80
ORANGE RIVER	Gem squash	34.00	0.00	59.33	0.00	48.88	0.00	0.00	0.00	0.00	0.00	142.21	5.71
	Onions	52.40	0.00	135.58	0.00	157.25	0.00	51.00	0.00	51.00	0.00	447.23	12.13
	Butternuts	518	172	728	172	299	0	174	0	140	0	2204	94
Total averages	Cabbage	1157	0	1122	0	638	0	665	0	530	0	4112	95
Total expected	Gem Squash	70	0	115	0	52	0	3	0	3	0	243	10
production	Onions	1627	847	505	85	179	0	51	0	51	0	3345	80
tonnage per	Potatoes	1556	0	2867	0	1983	0	1346	0	850	0	8601	229
crop per monun p	Broccoli	14.44	0	13.015	0	12.825	0	7.125	0	7.125	0	55	5
	Cauliflower	14.44	0	13.015	0	12.825	0	7.125	0	7.125	0	55	5

3. THE AVAILABILITY OF THE EXPECTED CROPS PER PRODUCERS

Table 3A shows the availability of the expected special controlled crops per area, per producer. Traders are advised to contact these producers to arrange and place orders on time to avoid delays. During this reporting period, cabbage and onions are expected to be available in all production areas.

Table 3 A: THE	FIVE N	NON	THS	EXP	ECTE	D AV	/AILA	BILI	ΓΥ Ο	F TH	E SP	ECI		ONT	ROLL	ED (CRO	PS (Butte	ernuts	s, Ca	bbag	e, G	em s	quas	h, Or	nions	and	Pota	toes)			
	KEY	':	BUT	TERN	NUTS	= 🏑		С	ABB	AGE	= 🕥		G	GEM	SQU	ASH	= 🌀			ONIC	NS =	= 🥘		POT	TATO	ES =	- 🥥						
	-			-	RIOD:																							ted: 1	6 Oct				
		jet Ma	arket		01-15	5 Nov	202	0	-	16-30		202	0			ec-2		T			an-2	1				eb-2				N	lar-2	1	
NAME OF PRODUCER	Local informal	Local Formal	Export	Butternuts	Cabbage	Gem Squash	Onions	Potatoes	Butternuts	Cabbage	Gem Squash	Onions	Potatoes	Butternuts	Cabbage	Gem Squash	Onions	Potatoes	Butternuts	Cabbage	Gem Squash	Onions	Potatoes	Butternuts	Cabbage	Gem Squash	Onions	Potatoes	Butternuts	Cabbage	Gem Squash	Onions	Potatoes
ZAMBEZI																																	
1 Alex Lisao	٧	٧			\bigcirc		0			0		0																					
2 Benedicts Musialike	٧	٧								\bigcirc																							
3 Bernard Sitali	٧	٧					ð					0																					
4 Bertha Maswahu	٧	٧			Ø					\bigcirc																							
⁵ Cavin Sikalumba	٧	٧			Ø					Ø																							
6 Clemens Makumbi	٧	٧					ð					0					0																
7 Clement Mulyokela	٧	٧													0																		
8 Elina Kalundu	٧	٧			0					0																							
9 Fabian Sisamu	٧	٧					0																										
¹⁰ George Nalisa	٧	٧								\bigcirc					0																		
11 Imelda Mahulilo	٧	٧					ð					0																					
12 Laimi Likando	٧	٧								0					0																		
13 Mbeha Fidelis M	٧	٧			Ø					0																							
14 Mpulila Manga	٧	٧			0					0																							
15 Mukwata Morven	٧	٧			\bigcirc					0																							
¹⁶ Ngalaule Pelekelo	٧	٧													0																		
17 Pitiya Paul Tiyango	٧	٧			\bigcirc		0			0		0																					
18 Rector Mutelo	٧	٧			0					0																							
¹⁹ Suhail (kamunu Garden)	٧	٧			Ø					Ø																							
20 Tereriai Msakwa Ndeleki	٧	٧										ð					٥																
21 Vasco Samwaka	٧	٧			Ø					0																							

KAVANGO REGIONS																													
NAME OF PRODUCER	Local informal	local Formal	Export	01-15	Nov	2020		1	6-30 I	Nov 2	2020	D		D	ec-20)		J	an-2	1		F	eb-2	21		N	lar-2	1	
1 Agatha Muronga	٧	٧		0										0															
² Agnes Sikongo	٧	٧												0															
3 Annastacia Fulai	٧	٧				0					Ø			0															
4 Bertha Nguvhulu	٧	٧		0					\bigcirc		0					0													
5 Elizabeth Johannes	٧	٧														0													
6 Eunike Ntjamba	٧	٧							0					0															
7 Fillemon Katoma	٧	٧		0		ð	-		0		0																		
⁸ Juakina Andreas	٧	٧					-				0		3			0													
9 Kampuru Ngoma	٧	٧											1																
10 Laurentia Nkandanga	٧	٧														0													
¹¹ Magdalena Simuketa	٧	٧		0					\bigcirc																				
12 Mupetami Nicanor	٧	٧											2	0															
13 Muronga Mayira	٧	٧												0		0													
14 Muronga Mpareke	٧	٧												0		Ö													
15 Ndongalinena GSIP	٧	٧																											
16 Ndongalinena Small Scale P	٧	٧											1	0															
17 Raphael Kampanza	٧	٧							\bigcirc																				
18 Rosa Musenge	٧	٧		0					0																				
19 Rustie H. Kleynhans	٧	٧				0																							
20 Thephilie Liyando	٧	٧																											
21 Theresia Makanga	٧	٧																											
22 Toini Usiku	٧	٧		0					\bigcirc					0		0													
23 Uhvungu Vungu GSIP	٧	٧		0					0							0													
24 Virginia Mukoya	٧	٧				0					ò																		
NORTH CENTRAL																									-				
1 Abisai Amashili	٧	٧							\bigcirc					0															
2 Abner Negonga	٧	٧									ð			0															
³ Akathigo & Ismael Kapuka	٧	٧							\bigcirc																				
4 Andreas Ashimbanga	٧	٧				ð					0																		
5 Andreas Shihepo	٧	٧		0					0					0															
6 Asser Moses	٧	٧											2	0															
7 Chrisna Greeff	٧	٧		0					0					0				0				0							
8 Elifas Keendjele	٧	٧					-		\bigcirc																				
9 Elifas Nuuyoma	٧	٧					4																						
10 Elise Auino	٧	٧							0																				
11 Emilie Marais	٧	٧		0					0					0															

12 Epafras Hilengwa	V	V			ð			ò									1					
13 Erasmus & Helena Mwiikeni	V	V			-	2																
14 Erastus Mumbala	V	V	1	0			0		-													
15 Etunda GSIP (commercial)	v	V								5)											
16 Etunda GSIP (Small & medium)	V	V		0	0		0	0)			0	3							
17 Eugene Eugene	V	V		Ø	-)											
18 Florian Shilongo	V	V)											
19 Immanuel Hambia	٧	V																				
20 Innocens Kalola	٧	V								4												
21 Johannes Naidjala	٧	V					0															
22 JohannesTemeipo Andjamba	٧	V					0															
23 Junias Hango	٧	V								4												
24 Junias Mwafekelange	٧	V	\checkmark	0			0		· 🔺	2												
²⁵ Leevi Katoma	٧	V																				
26 Loini Uukongo	٧	V					0															
27 Matheus Nuukunde	٧	V								5)											
28 Michael Shiningamwe	٧	V		0			0															
29 Ndasilohenda Nakashwa	٧	V							· 4	2												
³⁰ Noah Hanyanya	٧	V		0						1												
³¹ Onesmus Alalicky Jordan	٧	V																				
32 Patriciu Ndindalelwa	٧	V		0																		
³³ Paulina Kaita	٧	V							4	2		(
34 Paulus Amutenya	٧	V	-				0			4												
³⁵ Paulus Kapia	V	V																				
36 Paulus Kapuka	٧	V					0			4												
37 Paulus Titus	V	V		0			0															
³⁸ Petrus Atilifa	٧	V							-	2												
39 Petrus Matheus	٧	V							4	2												
40 Philipus Iipinge	V	V		0			0															
41 Protasius Moongela	V	V					0															
42 Rassie Erasmus	٧	V	1				0			1)			1)							
43 Reinehilde Shikonda	v	V					0															
44 Salome Haitembu	V	v		0			0			1)						1		1			
45 Shetuuka Shetuuka	v	v		0		2	0										1					
46 Sylvanus Naunyango	v	v								4)						1					
47 Theophelus Ekandjo	V	v	1	Ø			0										1	1	1			
48 Thomas Tangeni Negonga	v	v								4))		\top				1					
49 Veiko Imalwa	V	v							4								1		1			
Table 3A continues		·								I												

KARSTLAND																														
NAME OF PRODUCER	Local informal	local Formal	Export	01-15	5 Nov	/ 202	D	1	6-30	Nov	202	0		D	ec-2	0			J	an-21				Feb-	21		N	lar-21	1	
1 Alfeus Angula	٧	٧							0					0																
2 Cobus Coetzee	٧	٧	٧			ð					0	0																		
3 Edward Amadhila	٧	٧		0					0																					
4 Elizabeth & Erick van Druten	٧	٧				ð					0						0													
5 Elizabeth Nekundi	٧	٧																												
6 Elke Naude	٧	٧							0					0																
7 Epafras E. Haimene	٧	٧																												
8 Fredrik Haixwa	٧	٧																3												
9 H. van Eeden	٧	٧	٧			ð					0																			
10 Hansie van der Merwe	٧	٧		0					0					0	۲		0		0				0				0			
11 Johann A. Cloete	٧	v												0					\bigcirc				0				0			
12 J.P.J Swanepoel	٧	٧		0					0				1	0				-	\bigcirc			4	0				0			
13 Liza and Jan van der Merwe	٧	V											2																	
14 Loui Smit	٧	٧	٧	0		ð			0		0			0		Ö	0		0		•		0	1			0			
15 Ludie Kolver	٧	٧	V									0					0													
16 Magano Kapia	٧	v												0																
17 Mark von Maltzahl	٧	V		Ø					0					0					\bigcirc				0	1			0			
18 Michael Iyambo	٧	V	V						0					0					\bigcirc											
19 Ndinelago Tshiguuo	٧	٧											2																	
20 Neels van der Merwe	٧	٧		Ø		ð			0		Ø																			
21 Peter Kawana	٧	٧		Ø					0					0																
22 Peter T Erasmus	٧	٧		0		ð			0					0			0		\bigcirc				0	1						
23 Phelep Pendukeni	٧	٧							0					0					\bigcirc	1	0									
24 Theopauline Ruiter	٧	٧							0					0					\bigcirc				O	1			0			
25 Thilo Himmel	٧	٧	٧	0			٩		0			0		0																
26 Willem Lottering	٧	٧	٧			ð											0													
27 Willem Shali	٧	٧	٧						0				2																	
CENTRAL	1	1	1										1	1	1									T	1	1				
1 Danie Marais	٧	٧							0					0																
2 Etienne Jooste	٧	٧															0													
³ Gavin Diergaardt	٧	٧									0					٥														
4 Geral Heiser	٧	٧											2								0									
5 Hagen Horsthmark	٧	٧												0					\bigcirc			-	<u>_</u>	1						
6 Hubertus Gaochab	٧	v												0		0								1						
7 Jaco Thomas	V	v													6									+	\square					
Table 3A continues		'																						_	1					

8 Johannes Meyer	V	٧			Ø					0					0	6																	
9 Johannes Michiel van Helsdingen	٧	٧								0																							
¹⁰ Lothar Kollmitz	٧	٧										0		Ţ																			
11 Ludie Kolver	V	٧	٧				ð					0						0					0										
12 Martha Alweendo	V	٧																				0											
13 Milton Augumeb	V	٧															ð																
14 Sem Tangeni Nepando	٧	٧													0					Q				ŝ.									
15 Stefan Gaugler	V	٧			Ø					0					0																		
16 Stenly Mcloud	٧	٧	٧																				0										
SOUTH AND ORANGE RIVER																																	
NAME OF PRODUCER	Local informal	local Formal	Export		01-15	i Nov	2020		1	6-30	Nov	202	0		D	ec-2	20			J	an-2	1			F	eb-2	1			M	lar-21	I	
1 Abe Olivier	٧	٧	٧																														
2 Arthur Makhza	٧	٧																															
³ Burger J. Harmse	٧	٧																															
4 Charl Van Rensburg	٧	٧				۲																											
5 Fanie Louw	٧	٧																															
6 G.F. Janse van Rensburg	٧	٧			Ø					0				Ņ										ţ k					k				
7 Hendrik Berg	٧	٧															ð					0					0					0	
8 Hentie van Dyk	٧	٧			0												Ö																
9 Jimmy O Kennedy	٧	٧				۲	Ò					0		N			ð																
10 Jean Roux	٧	٧										0					٥																
11 Johan Roux	٧	٧		2	Ø					0				N	0																		
12 Jones Nghishimwe	٧	٧		2			Ò					0																					
13 Louis Louw	٧	٧			Ø					0					0					\bigcirc		0											
¹⁴ Nico van der Merwe	٧	٧																															
¹⁵ Rudi Kotze	٧	٧					0					0					٥					0											
¹⁶ Zirk Jansen	٧	٧																															
Note: Produce	rs not	listec	l here	ein, it	is eitl	ner b	ecause	e they	/ will	not l	narve	est a	ny of	the	four	spec	ial co	ntrol	led p	roduc	cts or	they	did	not p	rovid	le ne	eded	infor	matio	on.			
Kindly note that producers who Ludie Kolver and Etienne Joost														igies,	, Han	sie v	an de	er Me	erwe,	Jan	Keys	er ar	id Lo	ui Sn	nit in	the k	Karst	while	in c	entra	there	e is	

Table 3B shows the availability of the two monitored crops (broccoli and cauliflowers) which are expected to be available only in the Karst and central production areas during this reporting period.

	Table 3 B: THE FIVE MONTHS E	EXPEC	TED A	VAIL	ABILI	ry of	THE N		ORED	CRO	PS (B	rocco	li and	Caulif	lower))
	KEY:	BRO	CCOLI	=		and	CAI	ULIFLO	WER	2 =	N					
	PERIOD: 01 Novemb	er 202	20 to 3	1 Mar	ch 20	20				Last	updat	t ed: 1	16 Oc	tober	2020	
		Targ	jet Ma	rket	01-15	Nov 20	16-31	Nov 20	Dec	:-20	Jar	n-21	Feb	-21	Mar	-21
	NAME OF PRODUCER	Local informal	Local Formal	Export	Broccoli	Cauliflower	Broccoli	Cauliflower	Broccoli	Cauliflower	Broccoli	Cauliflower	Broccoli	Cauliflower	Broccoli	Cauliflower
KA	RST AREA										-					
1	Loui Smit		٧				*		Ķ		Ķ		Ķ	3	%	
2	Elke Naude		٧		%		%									
3	Mark von Maltzahl		٧		%		*		K		K					
CE	NTRAL AREA				-											
1	Dinah Trauss		٧													

4. EXPECTED PRODUCTION VS DEMAND ANALYSIS

4.1 TABULATION ANALYSIS

Table 4 below reveals that, the total tonnage expected for butternuts, cabbage, gem squash and onions will be sufficient to meet the domestic demand in November 2020. This suggests that the borders will be closed to restrict the importation of these four (4) vegetables. Table 4 further indicates that potatoes as well as broccolis and cauliflowers are expected to be insufficient starting 01 November 2020, hence the border will be open to allow registered traders to import these products in order to supply their customers.

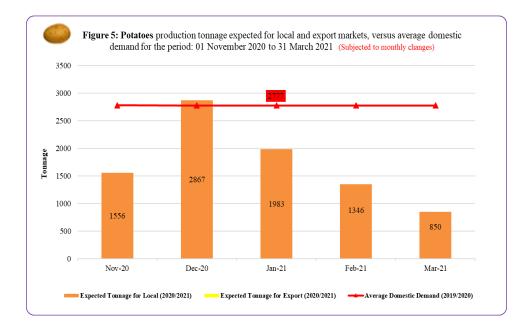
Table 4: ANALYSIS	OF THE EXPECTED TONNAGE FO	OR DOMEST		VERSUS	AVERAGE I	DOMESTIC	DEMAND
Numbers in this	table represents tonnage				Last u	pdated: 16 Octo	ober 2020
Special Controlled and Monitored Crops	Expected Surplus or Shortage	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Total
	Expected for domestic market	518	728	299	174	140	1860
Butternuts	Avarage domestic demand	138	138	138	138	138	690
	Surplus / shortage	380	590	161	36	2	1170
	Expected for domestic market	1157	1122	638	665	530	4112
Cabbage	Avarage domestic demand	503	503	503	503	503	2515
	Surplus / shortage	654	619	135	162	27	1597
	Expected for domestic market	70	115	52	3	3	243
Gem Squash	Avarage domestic demand	34	34	34	34	34	170
	Surplus / shortage	35	81	18	-31	-31	73
	Expected for domestic market	1627	505	179	51	51	2413
Onions	Avarage domestic demand	678	678	687	678	678	3399
	Surplus / shortage	950	-173	-509	-627	-627	-986
	Expected for domestic market	1556	2867	1983	1346	850	8601
Potatoes	Avarage domestic demand	2777	2777	2777	2777	2777	13885
	Surplus / shortage	-1222	90	-794	-1431	-1927	-5284
	Expected for domestic market	14	13	13	7	7	55
Broccoli	Avarage domestic demand	23	23	23	23	23	115
	Surplus / shortage	-9	-10	-10	-16	-16	-61
	Expected for domestic market	14	13	13	7	7	55
Cauliflower	Avarage domestic demand	24	24	24	24	24	120
	Surplus / shortage	-10	-11	-11	-17	-17	-66

4.2 GRAPHICAL ANALYSIS

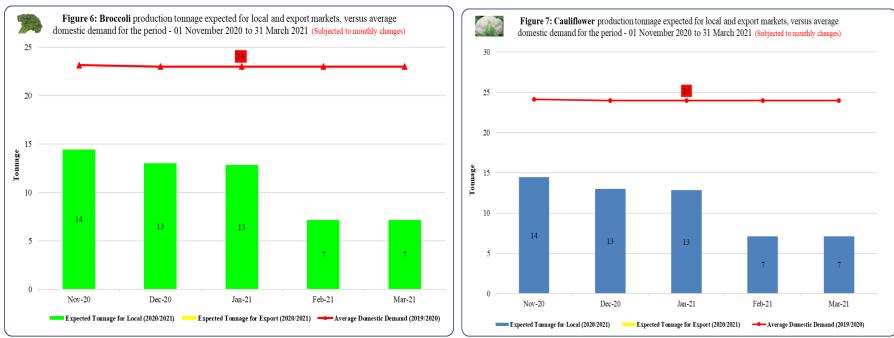
Graphical analysis determines the domestic production tonnage expected for the local and export markets as well as the average domestic demand. **Figure 1, 2, 3 and 4** below shows that the projected production tonnage for butternuts, cabbage, gem squash and onions reserved for local market is expected to be sufficient as from 01 - 30 November 2020. However, **figure 5** shows that the country expects a shortage of potatoes still in November 2020 given that the average domestic demand tonnages is above the local expected tonnage.



Graphical analysis figures continue...



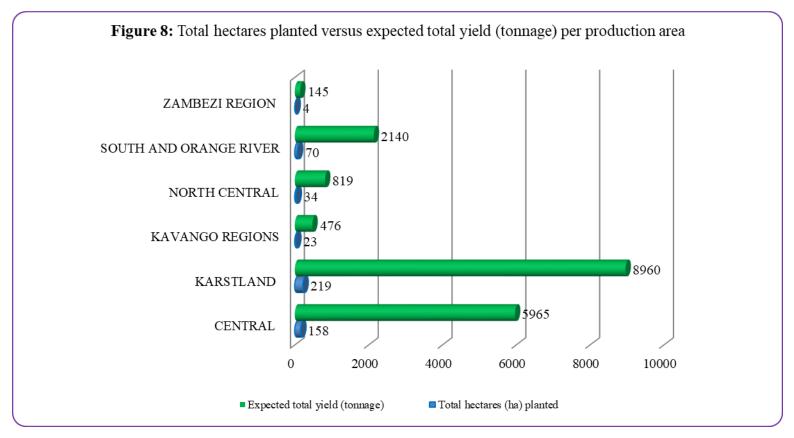
It should be noted that, broccolis and cauliflowers are classified as monitored crop for future possible addition to the list of the special controlled crops. These two products are expected to be insufficient during this reporting period as reflected in **figure 6 and 7** below.



Source: NAB, 2020

5. HECTARES PLANTED AND EXPECTED YIELD PER PRODUCTION AREA

Figure 8 below illustrates the total hectares planted as well as the total tonnage expected to be harvested per production area. This figure reveals that Karst production area is leading with a total hectares planted of 219 ha and the highest expected total yield of 8 960 tons. Zambezi production area is ranked last with 4 ha and expects to harvest a total of 145 tonnages. The high tonnages expected to be harvested in Karst and central production areas are attributed to the high production of onions and potatoes predominantly grown in these two areas.

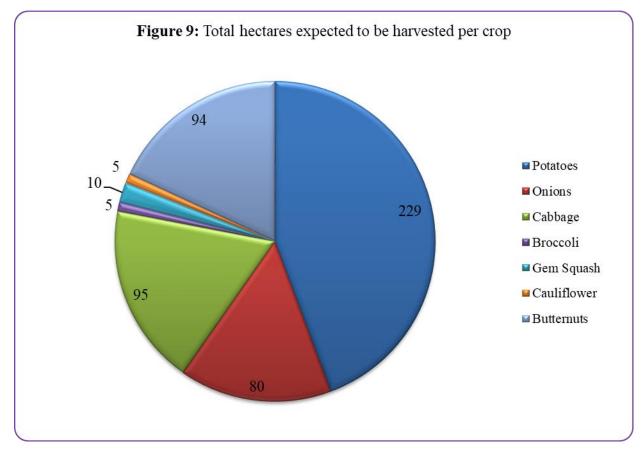


6. HECTARES PLANTED AND EXPECTED AVERAGE YIELD (TONNAGE) PER CROP

This section reveals the hectares planted and expected average yield per crop.

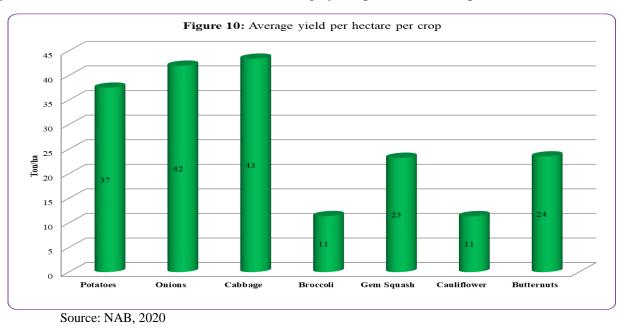
6.1 Hectares planted per crop

Figure 9 shows that a total of 518 hectares are expected to be harvested during this reporting period, of which potatoes covered the largest portion (229 ha) followed by cabbage (95 ha) while the smallest portions of land is covered by broccolis and cauliflower with 5ha each as indicated below.



6.2 Expected average yield per crop

Figure 10 below show that the crop expected to provide highest average yield per hectare for this reporting period will be cabbage (43ton/ha) followed by onions with 42 tons/ha, while the lowest average yield per hectare is expect for broccolis and cauliflower (12ton/ha).



7. CONCLUSIONS AND RECOMMENDATIONS

Generally, the report shows that there will be sufficient local supply of butternuts, cabbage, gem squash and onions as from 01 to 30 November 2020; therefore, the border will be closed to restrict the importation of these four (4) products. Furthermore, the report revealed that the country expects a shortage of potatoes since the average domestic demand tonnages is expected to be above the local expected tonnage for November 2020. This implies that the borders will be open to allow Traders to import washed potatoes in order to meet their local customers' demand. Moreover, the two monitored crops (broccolis and cauliflowers) are expected to be sufficient in throughout this reporting period. Traders are advised to contact registered Producers how are expected to have these products, so that they make arrangement for their local purchases and ensure compliance to MSP requirements.

All vegetable Producers are again encouraged to provide their production data to NAB on a monthly base for us to ensure that all local production data are recorded. These data are important as it helps NAB to make informed and right 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 the cropping program or in the event of crop failure due to factors beyond their control.