





Onions







#### Butternuts

Cabbage Gem Squash

Potatoes

Broccoli Cauliflower

HORTICULTURE: VEGETABLES PRODUCTION FORECAST

**REPORT NO 1** 

# **FORECASTED PERIOD:**

# 01 OCTOBER 2020 TO 28 FEBRUARY 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 doite 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 <sup>0</sup>C 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 E				ON PER (	CROP, P	ER ARE	A FOR T	HE PER	IOD: 01	October		•
Numbers in th	he table below	repres	sents to	nnage								Last updated:	20 September 2020
PRODUCTION	Special controlled and monitored	Oct	t-20	Νον	v-20	Dec	c-20	Jar	n-21	Feb	<b>b-21</b>	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	79.76	0.00	85.50	0.00	32.81	0.00	0.00	0.00	0.00	0.00	198.08	4.29
	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	16.27	0.00	8.08	0.00	12.16	0.00	0.00	0.00	0.00	0.00	36.50	1.34
	Butternuts	0.00	0.00	140.07	0.00	45.34	0.00	0.00	0.00	0.00	0.00	185.41	7.83
KAVANGO	Cabbage	53.21	0.00	86.11	0.00	62.76	0.00	0.00	0.00	0.00	0.00	202.07	5.35
REGIONS	Gem squash	0.00	0.00	1.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.28	0.10
REGIONS	Onions	60.06	0.00	341.19	0.00	2.41	0.00	0.00	0.00	0.00	0.00	403.66	19.47
	Potatoes	0.00	0.00	38.25	0.00	114.75	0.00	0.00	0.00	0.00	0.00	153.00	4.00
	Butternuts	43.61	0.00	93.67	0.00	43.52	0.00	0.00	0.00	0.00	0.00	180.80	12.97
NORTH CENTRAL	Cabbage	249.39	0.00	303.71	0.00	256.70	0.00	94.35	0.00	76.50	0.00	980.65	31.67
	Gem squash	0.00	0.00	3.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.06	0.24
	onions	27.63	0.00	22.10	0.00	0.03	0.00	0.26	0.00	0.26	0.00	50.27	3.06
	Butternuts	0.00	0.00	71.40	0.00	133.03	0.00	10.63	0.00	10.63	0.00	225.68	10.62
	Cabbage	356.15	0.00	476.85	0.00	402.05	0.00	232.90	0.00	232.90	0.00	1700.85	35.29
KARSTLAND	Gem squash	0.00	0.00	21.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.25	1.00
		1163.65	191.25	765.00	72.25	668.95	0.00	0.00	0.00	0.00	0.00	2861.10	55.45
		1326.00	0.00	977.50	0.00	1360.00	0.00	1368.50	0.00	471.75	0.00	5503.75	139.50
	Butternuts	0.00	0.00	0.00	0.00	35.70	0.00	51.00	0.00	0.00	0.00	86.70	3.25
	Cabbage	192.95	0.00	136.00	0.00	153.03	0.00	85.00	0.00	85.00	0.00	651.98	14.80
CENTRAL	Gem squash	0.00	0.00	25.50	0.00	25.50	0.00	0.00	0.00	0.00	0.00	51.00	2.00
	Onions	161.50	571.20	192.95	571.20	27.24	0.00	17.00	0.00	0.00	0.00	1541.09	29.25
	Potatoes	0.00	0.00	471.75	0.00	1564.00	0.00	782.00	0.00	943.50	0.00	3761.25	100.70
	Butternuts	0.00	0.00	294.95	191.25	345.95	191.25	52.70	0.00	25.50	0.00	1101.60	41.56
SOUTH AND	Cabbage	301.75	0.00	17.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	318.75	6.80
ORANGE RIVER	Gem squash	17.00	0.00	35.19	0.00	35.19	0.00	0.00	0.00	0.00	0.00	87.38	3.66
	Onions	94.35	0.00	62.05	0.00	282.20	0.00	106.25	0.00	29.75	0.00	574.60	14.33
	Butternuts	44	0	600	191	604	191	114	0	36	0	1780	76
Transfer and the	Cabbage	1233	0	1105	0	907	0	412	0	394	0	4052	98
Total expected production	Gem Squash	17	0	86	0	61	0	0	0	0	0	164	7
	Onions	1523	762	1391	643	993	0	124	0	30	0	5467	123
tonnage per crop per month	Potatoes	1326	0	1488	0	3039	0	2151	0	1415	0	9418	244
crop per monun	Broccoli	50.66	0	19.21	0	19.125	0	19.125	0	14.025	0	122.145	9.76
	Cauliflower	46.835	0	16.66	0	16.575	0	16.575	0	14.025	0	110.67	9.07

Source : NAB,2020

# 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 F																		PS (					e, G						Pota	toes	)		
	KEY									AGE					SQU	ASH	= 🖷	)		ONIC	NS =	- 🦪		PO		ES =			- Corre	amb			_
	Taro	jet Ma		PER			)ctob t 202			0 28 1 16-31				1	N	lov-2	20			-	ec-2	0				lan-2		ed: 20	Sept		<mark>er 202</mark> Feb-2		
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-	1																							I							<u> </u>	-
1 Alex Lisao	V	V													0	1	6	1								1	1						
2 Benedicts Musialike	v	v			0					0					0																		
3 Bernard Sitali	v	v			Ø		0					ð																					
4 Bertha Maswahu	v	v			0					0					0																		
5 Cavin Sikalumba	v	v								0																							
6 Charles Nawa	v	v			0					0																							
7 Clemens Makumbi	v	v			0		6			0		0			1																		
8 Clement Mulyokela	v	v			0					0					0	1		1		$\bigcirc$						1	1						
9 Cris Lizazi	v	v								0		6				1		1		0						1	1						
10 David Muluti	v	v					ð					0			0																		
11 Davis Mushitu	v	v			0					0																							
12 Elina Kalundu	v	v								0					0																		
13 Fabian Sisamu	v	v					0					0																					
14 Florance Likezo	V	v													9																		
15 Geofre Samunzala	v	v								0												0											
16 George Nalisa	v	v													0																		
17 Imelda Mahulilo	V	v															Ö																
18 Imran Vadi	v	v													0																		
19 Laimi Likando	v	v								0					0																		
<sup>20</sup> Mbeha Fidelis M	v	v			0		0			0		0																					
<sup>21</sup> Mpulila Manga	v	v			0					0																							
22 Mukwata Morven	v	v			0					0					1	1		1								1	1						
23 Mulemwa Goaises	v	v			0					0					1											1							
24 Oscar Sililo	v	v			0					0					1											l							
25 Phestus Kawaile	v	v			0										1	l		l								ĺ	l						
26 Pitiya Paul Tiyango	v	v			0		ð			0		ð			1											l							
27 Raphael Kachana	v	v								0					1											1							
<sup>28</sup> Richard Nyambe	v	v					0					۵			1											l							
29 Rector Mutelo	V	v			0					0					0	l		l								l	l						
<sup>30</sup> Regina Siloiso	v	v										0			1	l	0	l								l	l						
31 Shabalume Aldrin	v	v													0																		
32 Sijona Obby	v	v													0																		
<sup>33</sup> Suhail (kamunu Garden)	v	v								0					T											I							
34 Tereriai Msakwa Ndeleki	v	v													1							0											
35 Vasco Samwaka	v	v			0					0					1																		

KAVANGO REGIONS																												
NAME OF PRODUCER	Local informal	local Formal	Export	01-15	i Oct	2020	)	6-31	Oct	2020	0	Ν	ov-2	0			D	ec-20	)		J	an-2	1		F	eb-2 <sup>°</sup>	1	
1 Agatha Muronga	٧	٧										0																
2 Agnes Sikongo	٧	٧										0																
<sup>3</sup> Annastacia Fulai	٧	٧				ð				0		0		Ö														
4 Bertha Nguvhulu	٧	٧										0		0														
5 Bonny Muyenga	٧	٧						0		۲																		
6 Elizabeth Johannes	٧	٧																	0									
7 Eunike Ntjamba	٧	٧										0																
8 Irma Shifura	٧	٧																										
9 Juakina Andreas	٧	٧						0						0														
10 Kampuru Ngoma	٧	٧														3												
11 Laurentia Nkandanga	٧	٧		0				0																				
12 Magdalena Simuketa	٧	٧		0				0				 0																
13 Maria Augusto	٧	٧				0				0																		
14 Mupetami Nicanor	٧	٧															0											
15 Muronga Mayira	٧	٧															$\bigcirc$		0									
<sup>16</sup> Muronga Mpareke	٧	٧																	0									
17 Ndongalinena GSIP	٧	٧												0			$\bigcirc$											
<sup>18</sup> Fillemon Katoma	٧	٧										0		0														
19 Raphael Kampanza	٧	٧										0																
<sup>20</sup> Romanus Mungamba	٧	٧																										
21 Rosa Musenge	٧	٧										0																
<sup>22</sup> Rustie H. Kleynhans	٧	٧								0		0		0														
23 Thephilie Liyando	٧	٧																										
24 Theresia Makanga	٧	٧																										
25 Toini Usiku	٧	٧						0																				
26 Uhvungu Vungu GSIP	٧	٧		0				0				0		0														
<sup>27</sup> Virginia Mukoya	٧	٧								0																		
NORTH CENTRAL															1					 								
1 Abisai Amashili	٧	٧										0					$\bigcirc$											
2 Abner Negonga	٧	٧															$\bigcirc$											
3 Akathigo & Ismael Kapuka	٧	٧						0																				
4 Andreas Ashimbanga	٧	٧										_					_											
5 Andreas Shihepo	٧	٧		0				0				0					$\bigcirc$											
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7 Chrisna Greeff Table 3A continues	٧	٧		0				0				0					0				0				0			

8 Elifas Keendjele	V	٧		0			0		1	0												
9 Elifas Nuuyoma	V	v					Ó		1	0												
10 Elise Auino	٧	V		0			0			0										-		
11 Emilie Marais	٧	V			ð			Ø		0				$\bigcirc$								
12 Emily Naunyango	٧	V				<b>Å</b>																
13 Epafras Hilengwa	٧	V		0			0				0											
14 Erasmus Mwiikeni	٧	٧																				
15 Erastus Mumbala	٧	٧						Ø		0												
16 Etunda GSIP (commercial)	٧	٧				<b>Š</b>								0			0					
17 Etunda GSIP (Small & medium)	٧	٧		0	ð	<b>N</b>	0	Ø	2	0	۲			$\bigcirc$			0					
18 Eugene Eugene	٧	V		0			0															
19 Fiina Valombola	٧	V																				
20 Immanuel Hambia	٧	٧				<b>Č</b>																
21 Innocens Kalola	٧	٧		0										0								
22 Johannes Naidjala	٧	V		0			0		1	0												
23 Junias Mwafekelange	٧	٧								0												
24 Leevi Katoma	٧	v								0												
<sup>25</sup> Loini Uukongo	٧	٧					0			0												
26 Matheus Nuukunde	V	٧								0												
27 Michael Shiningamwe	٧	v								0												
28 Moses Shambwila	٧	٧		0			0															
<sup>29</sup> Noah Hanyanya	٧	V		0			0			0												
30 Patriciu Ndindalelwa	٧	V								0	_											
<sup>31</sup> Paulina Kaita	٧	V									0											
32 Paulus Amutenya	٧	v		0			0			0												
33 Paulus Kapia	V	V											2									
34 Paulus Kapuka	٧	٧								0												
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36 Petrus Matheus	٧	v												$\bigcirc$								
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38 Protasius Moongela	V	٧								0												
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40 Reinehilde Shikonda	V	V								0												
41 Shetuuka Shetuuka	v	V			ð			ò	2	0												
42 Sylvanus Naunyango	v	V												$\bigcirc$								
43 Theophelus Ekandjo	v	V					0															
44 Thomas Tangeni Negonga	v	V								0												
45 Veiko Imalwa	v	V																				
Table 3A continues	·	1								1	 							l				

KARSTLAND																														
NAME OF PRODUCER	Local informal	local Formal	Export		01-1	5 Oc	t 202(	)	1	6-31	Oct	2020	D	Ν	lov-2	0			De	ec-20	)			Ja	an-21			F	eb-21	
1 Alfeus Angula	٧	٧												0																
2 C.J von Molendorff	٧	٧	V				0					0																		
3 Cobus Coetzee	٧	٧	V													0	0				0									
4 Edward Amadhila	٧	٧												0																
5 Elizabeth & Erick van Druten	٧	٧										0	0								0									
6 Elke Naude	٧	٧												D					0									$\bigcirc$		
7 Hagen Frenzel	٧	٧	٧				ð																							
8 Hansie van der Merwe	٧	٧			Ø					0				D					0		•							0		
9 Jan Cronje	٧	٧	٧				ð					Ø																		
10 Johann A. Cloete	٧	٧			0									D					Ø											
11 Johny Ashipala	٧	٧								0				0																
12 J.P.J Swanepoel	٧	٧												D					0			4	9	$\bigcirc$			3			
13 Loui Smit	٧	٧	٧		0		ð			0		0		0				3			0			0		0		$\bigcirc$		
14 Lourens Potgieter	٧	٧	٧				ð																							
15 Ludie Kolver	~	٧	v										0				0				•									0
16 Magano Kapia	٧	٧																												
17 Mark von Maltzahl	٧	٧			0					0				0					$\bigcirc$				1	0				0		
18 Michael Iyambo	٧	٧	V		0					0				0																
<sup>19</sup> Ndinelago Tshiguuo	٧	٧								0				0																
20 Neels van der Merwe	٧	٧			Ø					$\bigcirc$				0																
21 Peter Kawana	٧	٧			0					0				0																
22 Peter T Erasmus	٧	٧			Ø					$\bigcirc$				0		0					•			$\bigcirc$				$\bigcirc$		
23 Phelep Pendukeni	٧	٧												0					0				1	$\bigcirc$				$\bigcirc$		
24 Sylvanus & Elizabeth Nekundi	٧	٧																												
25 Theopauline Ruiter	٧	٧										0		0		Ö			$\bigcirc$				1	$\bigcirc$				$\bigcirc$		
26 Thilo Himmel	٧	٧	V		0					0			0	0					0											
27 Willem Lottering	٧	٧	٧																		•									
CENTRAL			1	1					,					1								_	-		-					_
1 Andries Rousseau	٧	٧			0					$\bigcirc$						-														
2 Danie Marais	٧	٧												0							•						 			
3 Etienne Jooste	٧	٧																			•									
4 Gavin Diergaardt	٧	٧														0					0									
5 Hagen Horsthmark	٧	٧																	Ø			4	2	0				0		
6 Hubertus Gaochab	٧	٧																	0		0									
7 Jaco Thomas	٧	٧																												
8 Johannes Meyer	٧	٧			0					$\bigcirc$				0	۲					6										

9 Lothar Kollmitz	V	٧					0					0					0		2														
10 Ludie Kolver	٧	٧	٧				ð					0					0	0					0					0				(	
11 Magnus Kurz	٧	٧								0																							
12 Martha Alweendo	٧	٧																									Ö						
13 Milton Augumeb	٧	٧																				0											
14 Sem Tangeni Nepando	٧	٧			Ø					0																							
15 Stefan Gaugler	٧	٧			0					0					0					0													
16 Stenly Mcloud	٧	٧	٧																														
SOUTH AND ORANGE RIVER			·																														
NAME OF PRODUCER	Local informal	local Formal	Export		01-15	5 Oct	2020		1	6-31	Oct	202	D		N	lov-2	20	r		D	ec-2	0			Ja	an-2′	1			F	eb-21		
1 Abe Olivier	٧	٧	٧																														
2 Arthur Makhza	٧	٧																															
<sup>3</sup> Burger J. Harmse	٧	٧																			۲												
4 Charl Van Rensburg	٧	٧			Ø					0																							
<sup>5</sup> Fanie Louw	٧	٧																															
6 G.F. Janse van Rensburg	٧	٧			Ø					0																							
7 Hendrik Berg	٧	٧																				0											
8 Hentie van Dyk	٧	٧					0			0												0											
9 Jimmy O Kennedy	٧	٧														۲	0					0											
<sup>10</sup> Jean Roux	٧	٧																													1		
<sup>11</sup> Johan Roux	٧	٧			0					0																							
12 Jones Nghishimwe	٧	٧					Ò					0																					
13 Louis Louw	٧	٧			Ø					0																	0						
14 Nico van der Merwe	٧	٧												3																			
<sup>15</sup> Rudi Kotze	٧	٧															٥										0						
16 Zirk Jansen	٧	٧									۲																						
Note: Producer	s not	listed	d here	in, it	is eith	ner be	ecause	e they	y will	not h	narve	st a	ny of	the	four	spec	ial co	ontrol	led p	rodu	cts oi	r they	/ did	not pi	rovide	e nee	eded	infor	matio	on.			
Kindly note that producers who Ludie Kolver and Etienne Joost														gies,	Han	sie va	an de	er Me	erwe,	Jan	Keys	er ar	nd Lo	ui Sm	nit in t	the K	arst	while	e in c	entra	I there	is	

Source: NAB, 2020

**Table 3B** shows the availability of the two monitored crops (broccoli and cauliflowers) which are expected to be available only in the Karst, central and south 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:	BROO	CCOLI	= 🎾	) ;	and	CA	ULIFLO	OWER	2 = 6	18					
	PERIOD: 01 October	2020 t	o 28 F	ebrua	ary 20	20			I	₋ast u	pdate	ed: 20	Sept	embe	r 2020	)
		Targ	et Ma	rket	01-15	Oct 20	16-31	Oct 20	Νον	/-20	Dec	:-20	Jar	n-21	Feb	<b>-21</b>
	NAME OF PRODUCER	Local informal	Local Formal	Export	Broccoli	Cauliflower	Broccoli	Cauliflower	Broccoli	Cauliflower	Broccoli	Cauliflower	Broccoli	Cauliflower	Broccoli	Cauliflower
KA	RST AREA				1		8		1	1	1	1	1	1	1	
1	Loui Smit		٧		<b>%</b>		*		*		*	319	*		*	
2	Elke Naude		٧						Ķ							
3	Mark von Maltzahl		٧		<b>\$</b>		*						Ŗ			
CE	NTRAL AREA						•									
1	Dinah Trauss		٧							S						
So	outh and Orange River															
1	G.F. Janse van Rensburg		٧		*		<b>%</b>									
2	Johan Roux		٧													

Source: NAB, 2020

### 4. EXPECTED PRODUCTION VS DEMAND ANALYSIS

#### 4.1 TABULATION ANALYSIS

**Table 4** below revealed that, the total tonnage expected for butternuts, gem squash, potatoes will be insufficient to meet the domestic demand in October 2020. This suggests that the borders will be open for importation of these products. Table 4 further indicates that cabbage and onions are expected to be sufficient for the first Three months; hence the border will be closed as from 01- 31 October 2020 to restrict importation of these two products.

Table 4: ANALYSIS	OF THE EXPECTED TONNAGE FO	OR DOMEST			AVERAGE I	DOMESTIC	DEMAND
Numbers in this t	able represents tonnage				Last upo	dated: 20 Septe	mber 2020
Special Controlled and Monitored Crops	Expected Surplus or Shortage	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Total
	Expected for domestic market	44	600	604	114	36	1398
Butternuts	Avarage domestic demand	144	144	144	144	144	720
	Surplus / shortage	-100	456	460	-30	-108	678
	Expected for domestic market	1233	1105	907	412	394	4052
Cabbage	Avarage domestic demand	903	903	903	903	903	4515
	Surplus / shortage	330	202	4	-491	-509	-463
	Expected for domestic market	17	86	61	0	0	164
Gem Squash	Avarage domestic demand	32	32	32	32	32	160
	Surplus / shortage	-15	54	29	-32	-32	4
	Expected for domestic market	1523	1391	993	124	30	4061
Onions	Avarage domestic demand	552	552	552	552	552	2760
	Surplus / shortage	971	839	441	-428	-522	1301
	Expected for domestic market	1326	1488	3039	2151	1415	9418
Potatoes	Avarage domestic demand	3206	3206	3206	3206	3206	16030
	Surplus / shortage	-1880	-1719	-167	-1056	-1791	-6612
	Expected for domestic market	51	19	19	19	14	122
Broccoli	Avarage domestic demand	26	26	26	26	26	130
	Surplus / shortage	24	-7	-7	-7	-12	-8
	Expected for domestic market	47	17	17	17	14	111
Cauliflower	Avarage domestic demand	30	30	30	30	30	150
	Surplus / shortage	17	-13	-13	-13	-16	-39

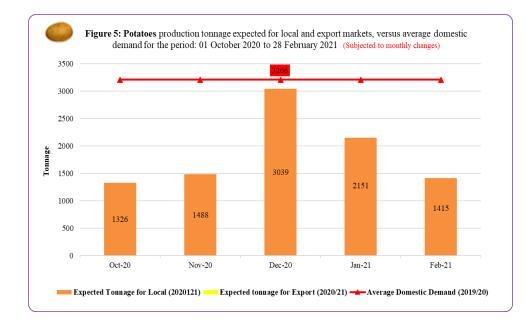
Source: NAB, 2020

#### 4.2 GRAPHICAL ANALYSIS

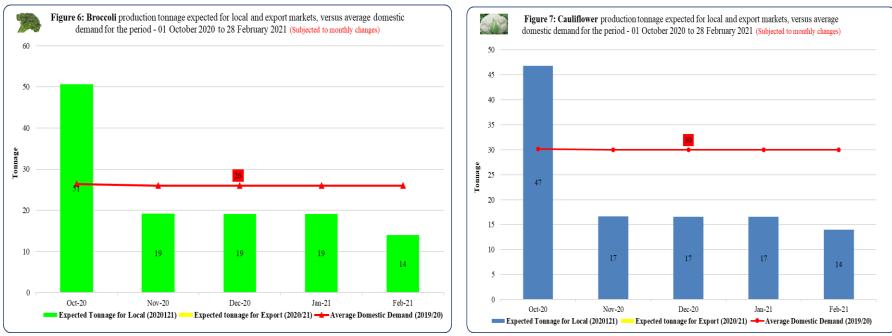
Graphical analysis determines the domestic production tonnage expected for the local and export markets as well as the average domestic demand. **Figure 2 and 4** below shows that the projected production tonnage for cabbage and onions reserved for local market is expected to be sufficient for the first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



Graphical analysis figures continue...



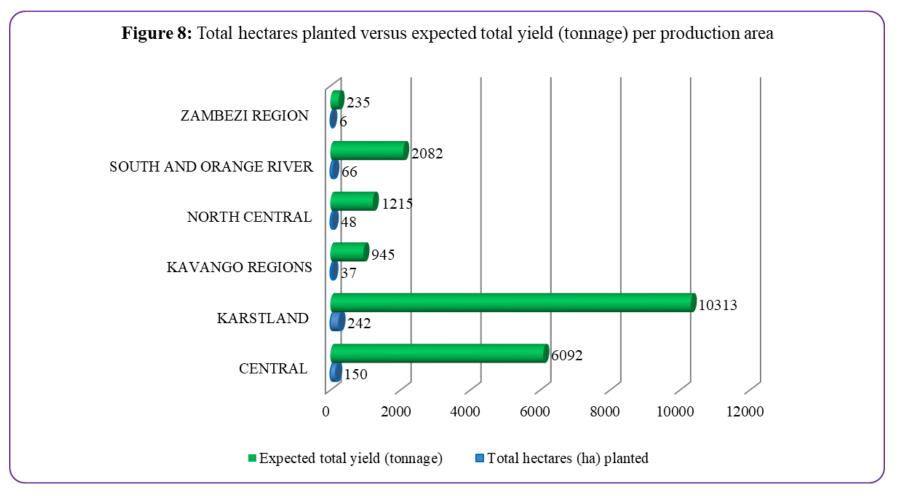
It should be noted that, broccoli and cauliflower are classified as monitored crop for future possible addition to the list of controlled crops. These two products are expected to be sufficient for October month as reflected in **figure 6 and 7** below.



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 242 ha and the highest expected total yield of 10 313 tons. Zambezi production area is ranked last with 6 ha and expects to harvest a total of 235 tonnages. The high tonnages expected to be harvested in Karst and central production areas are attributed due to the high production of onions and potatoes predominantly grown in these 2 areas.



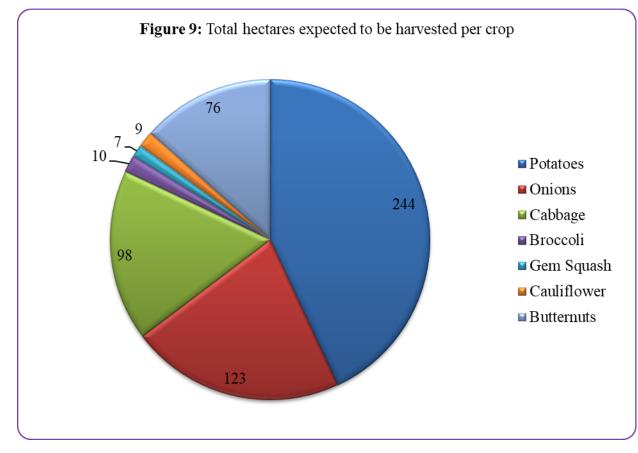
Source: NAB, 2020

# 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

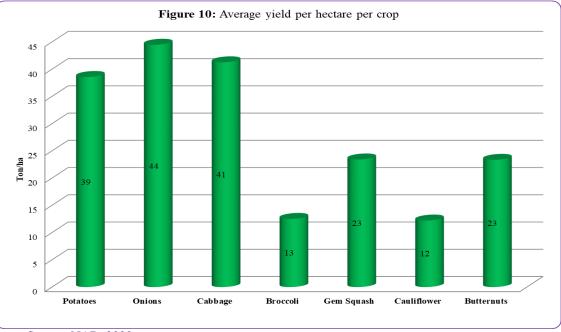
**Figure 9** shows that a total of 567 hectares are expected to be harvested during this reporting period, of which potatoes covered the largest portion (244 ha) followed by onions (123 ha) while the smallest portions of land is covered by gem squash with 7 ha as indicated below.



Source: NAB, 2020

### 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 onions (44ton/ha) followed by cabbage with 41 tons/ha, while the lowest average yield per hectare is expect from cauliflower (12ton/ha).



Source: NAB, 2020

# 7. CONCLUSIONS AND RECOMMENDATIONS

Generally, the report shows that there will be sufficient local supply of cabbage and onions as from 01 to 31 October 2020; therefore, the border will be closed to restrict the importation of these two products. Furthermore, the report revealed that the country expects a shortage of butternuts, gem squash and potatoes since the average domestic demand tonnages is expected to be above the local expected tonnage for three products in October 2020. This implies that the borders will be open to allow Traders to import these products in order to meet their local customers' demand. Moreover, the two monitored crops (broccolis and cauliflowers) are expected to be sufficient in October months. Traders are advised to contact 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 to ensure that all local production data are recorded. 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.