



Butternuts



Cabbage



Gem Squash



Onions



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.

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

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).

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.

Table 2: FIVE MONTHS EXPECTED PRODUCTION PER CROP, PER AREA FOR THE PERIOD: 01 October 2020 to 28 February 2021													
Numbers in the table below represents tonnage												Last updated: 20 September 2020	
PRODUCTION AREAS	Special controlled and monitored crops	Oct-20		Nov-20		Dec-20		Jan-21		Feb-21		Total (for the 5 months period)	
		Local	Export	Local	Export	Local	Export	Local	Export	Local	Export	Yield	Ha to be harvested
ZAMBEZI REGION	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
	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
KAVANGO REGIONS	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
	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
	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
	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
NORTH CENTRAL	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
	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
KARSTLAND	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
	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
	Onions	1163.65	191.25	765.00	72.25	668.95	0.00	0.00	0.00	0.00	0.00	2861.10	55.45
	Potatoes	1326.00	0.00	977.50	0.00	1360.00	0.00	1368.50	0.00	471.75	0.00	5503.75	139.50
CENTRAL	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
	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
SOUTH AND ORANGE RIVER	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
	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
	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
Total expected production tonnage per crop per month	Butternuts	44	0	600	191	604	191	114	0	36	0	1780	76
	Cabbage	1233	0	1105	0	907	0	412	0	394	0	4052	98
	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
	Potatoes	1326	0	1488	0	3039	0	2151	0	1415	0	9418	244
	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 FIVE MONTHS EXPECTED AVAILABILITY OF THE SPECIAL CONTROLLED CROPS (Butternuts, Cabbage, Gem squash, Onions and Potatoes)																												
KEY : BUTTERNUTS = 🍠 CABBAGE = 🥬 GEM SQUASH = 🍈 ONIONS = 🧅 POTATOES = 🥔																												
PERIOD: 01 October 2020 to 28 February 2021																												
NAME OF PRODUCER	Target Market			01-15 Oct 2020					16-31 Oct 2020					Nov-20					Dec-20					Last updated: 20 September 2020				
	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
ZAMBEZI																												
1 Alex Lisao	✓	✓													🍠		🧅											
2 Benedicts Musialike	✓	✓			🥬					🥬					🥬													
3 Bernard Sitali	✓	✓			🥬		🧅						🧅															
4 Bertha Maswahu	✓	✓			🥬					🥬					🥬													
5 Cavin Sikalumba	✓	✓								🥬																		
6 Charles Nawa	✓	✓			🥬					🥬																		
7 Clemens Makumbi	✓	✓			🥬		🧅			🥬			🧅															
8 Clement Mulyokela	✓	✓			🥬					🥬					🥬			🥬										
9 Cris Lizazi	✓	✓								🥬			🧅															
10 David Muluti	✓	✓					🧅						🧅															
11 Davis Mushitu	✓	✓			🥬					🥬																		
12 Elina Kalundu	✓	✓								🥬					🥬													
13 Fabian Sisamu	✓	✓					🧅						🧅															
14 Florance Likezo	✓	✓													🥬													
15 Geofre Samunzala	✓	✓			🥬					🥬								🧅										
16 George Nalisa	✓	✓													🥬													
17 Imelda Mahulilo	✓	✓															🧅											
18 Imran Vadi	✓	✓													🥬													
19 Laimi Likando	✓	✓								🥬					🥬					🥬								
20 Mbeha Fidelis M	✓	✓			🥬		🧅			🥬			🧅															
21 Mpulila Manga	✓	✓			🥬					🥬										🥬								
22 Mukwata Morven	✓	✓			🥬					🥬																		
23 Mulemwa Goaises	✓	✓			🥬					🥬																		
24 Oscar Sililo	✓	✓			🥬					🥬																		
25 Phestus Kawaile	✓	✓			🥬																							
26 Pitiya Paul Tiyango	✓	✓			🥬		🧅			🥬			🧅															
27 Raphael Kachana	✓	✓								🥬																		
28 Richard Nyambe	✓	✓					🧅						🧅															
29 Rector Mutelo	✓	✓			🥬					🥬					🥬													
30 Regina Siloiso	✓	✓											🧅				🧅											
31 Shabalume Aldrin	✓	✓													🥬													
32 Sijona Obby	✓	✓													🥬													
33 Suhail (kamunu Garden)	✓	✓								🥬																		
34 Tererai Msakwa Ndeleki	✓	✓																										
35 Vasco Samwaka	✓	✓			🥬					🥬										🧅								

Table 3A continues...






























































































KAVANGO REGIONS																												
NAME OF PRODUCER		Local informal	Local Formal	Export	01-15 Oct 2020				16-31 Oct 2020				Nov-20				Dec-20				Jan-21				Feb-21			
1	Agatha Muronga	✓	✓																									
2	Agnes Sikongo	✓	✓																									
3	Annastacia Fulai	✓	✓																									
4	Bertha Nguvhulu	✓	✓																									
5	Bonny Muyenga	✓	✓																									
6	Elizabeth Johannes	✓	✓																									
7	Eunike Ntjamba	✓	✓																									
8	Irma Shifura	✓	✓																									
9	Juakina Andreas	✓	✓																									
10	Kampuru Ngoma	✓	✓																									
11	Laurentia Nkandanga	✓	✓																									
12	Magdalena Simuketa	✓	✓																									
13	Maria Augusto	✓	✓																									
14	Mupetami Nicanor	✓	✓																									
15	Muronga Mayira	✓	✓																									
16	Muronga Mpareke	✓	✓																									
17	Ndongalinena GSIP	✓	✓																									
18	Fillemon Katoma	✓	✓																									
19	Raphael Kampanza	✓	✓																									
20	Romanus Mungamba	✓	✓																									
21	Rosa Musenge	✓	✓																									
22	Rustie H. Kleynhans	✓	✓																									
23	Thephilie Liyando	✓	✓																									
24	Theresia Makanga	✓	✓																									
25	Toini Usiku	✓	✓																									
26	Uhvungu Vungu GSIP	✓	✓																									
27	Virginia Mukoya	✓	✓																									
NORTH CENTRAL																												
1	Abisai Amashili	✓	✓																									
2	Abner Negonga	✓	✓																									
3	Akathigo & Ismael Kapuka	✓	✓																									
4	Andreas Ashimbanga	✓	✓																									
5	Andreas Shihepo	✓	✓																									
6	Asser Moses	✓	✓																									
7	Chrisna Greeff	✓	✓																									















Table 3A continues...

KARSTLAND																											
NAME OF PRODUCER	Local informal	Local Formal	Export	01-15 Oct 2020				16-31 Oct 2020				Nov-20				Dec-20				Jan-21				Feb-21			
1 Alfeus Angula	✓	✓																									
2 C.J von Molendorff	✓	✓	✓																								
3 Cobus Coetzee	✓	✓	✓																								
4 Edward Amadhila	✓	✓																									
5 Elizabeth & Erick van Druten	✓	✓																									
6 Elke Naude	✓	✓																									
7 Hagen Frenzel	✓	✓	✓																								
8 Hansie van der Merwe	✓	✓																									
9 Jan Cronje	✓	✓	✓																								
10 Johann A. Cloete	✓	✓																									
11 Johny Ashipala	✓	✓																									
12 J.P.J Swanepoel	✓	✓																									
13 Loui Smit	✓	✓	✓																								
14 Lourens Potgieter	✓	✓	✓																								
15 Ludie Kolver	✓	✓	✓																								
16 Magano Kapia	✓	✓																									
17 Mark von Maltzahl	✓	✓																									
18 Michael Iyambo	✓	✓	✓																								
19 Ndinelago Tshiguuo	✓	✓																									
20 Neels van der Merwe	✓	✓																									
21 Peter Kawana	✓	✓																									
22 Peter T Erasmus	✓	✓																									
23 Phelep Pendukeni	✓	✓																									
24 Sylvanus & Elizabeth Nekundi	✓	✓																									
25 Theopauline Ruiter	✓	✓																									
26 Thilo Himmel	✓	✓	✓																								
27 Willem Lottering	✓	✓	✓																								
CENTRAL																											
1 Andries Rousseau	✓	✓																									
2 Danie Marais	✓	✓																									
3 Etienne Jooste	✓	✓																									
4 Gavin Diergaardt	✓	✓																									
5 Hagen Horstmark	✓	✓																									
6 Hubertus Gaochab	✓	✓																									
7 Jaco Thomas	✓	✓																									
8 Johannes Meyer	✓	✓																									

Table 3A continues...

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SOUTH AND ORANGE RIVER






























NAME OF PRODUCER				Local Informal	Local Formal	Export	01-15 Oct 2020				16-31 Oct 2020				Nov-20				Dec-20				Jan-21				Feb-21							
1	Abe Olivier	√	√	√																														
2	Arthur Makhza	√	√																															
3	Burger J. Harmse	√	√																															
4	Charl Van Rensburg	√	√																															
5	Fanie Louw	√	√																															
6	G.F. Janse van Rensburg	√	√																															
7	Hendrik Berg	√	√																															
8	Hentie van Dyk	√	√																															
9	Jimmy O Kennedy	√	√																															
10	Jean Roux	√	√																															
11	Johan Roux	√	√																															
12	Jones Nghishimwe	√	√																															
13	Louis Louw	√	√																															
14	Nico van der Merwe	√	√																															
15	Rudi Kotze	√	√																															
16	Zirk Jansen	√	√																															

Note: Producers not listed herein, it is either because they will not harvest any of the four special controlled products or they did not provide needed information.

Kindly note that producers who wash potatoes in Namibia includes: 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, 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 EXPECTED AVAILABILITY OF THE MONITORED CROPS (Broccoli and Cauliflower)															
KEY: BROCCOLI =  and CAULIFLOWER = 															
PERIOD: 01 October 2020 to 28 February 2020 Last updated: 20 September 2020															
NAME OF PRODUCER	Target Market			01-15 Oct 20		16-31 Oct 20		Nov-20		Dec-20		Jan-21		Feb-21	
	Local informal	Local Formal	Export	Broccoli	Cauliflower	Broccoli	Cauliflower	Broccoli	Cauliflower	Broccoli	Cauliflower	Broccoli	Cauliflower	Broccoli	Cauliflower
KARST AREA															
1	Loui Smit		√												
2	Elke Naude		√												
3	Mark von Maltzahl		√												
CENTRAL AREA															
1	Dinah Trauss		√												
South and Orange River															
1	G.F. Janse van Rensburg		√												
2	Johan Roux		√												

Source: NAB, 2020

4. EXPECTED PRODUCTION VS DEMAND ANALYSIS

4.1 TABULATION ANALYSIS

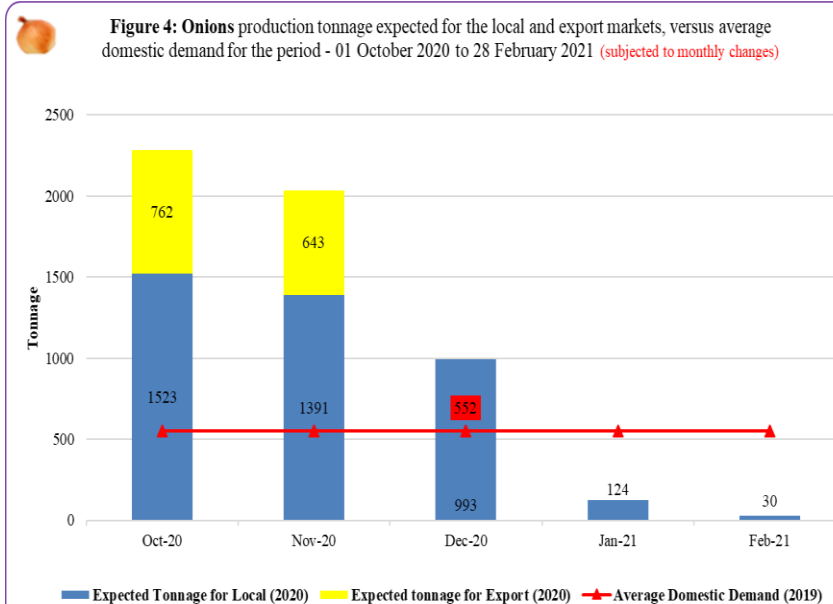
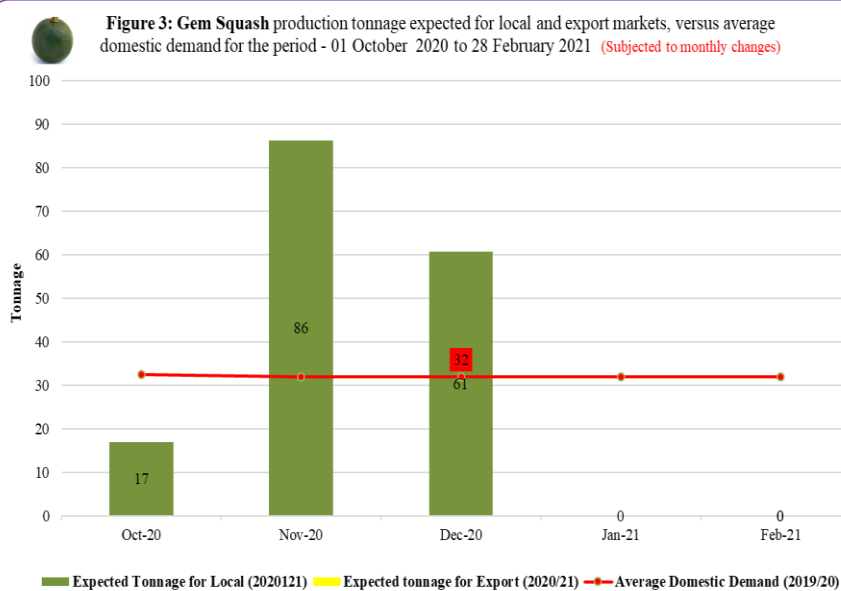
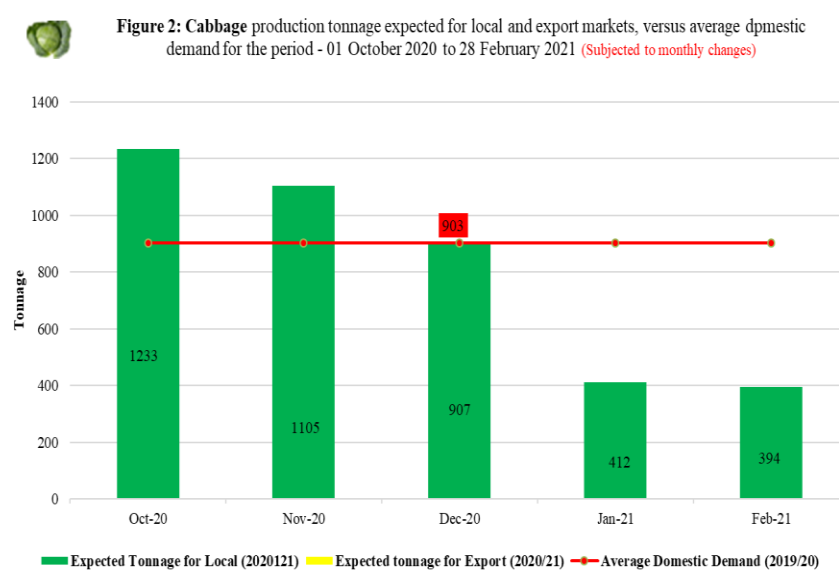
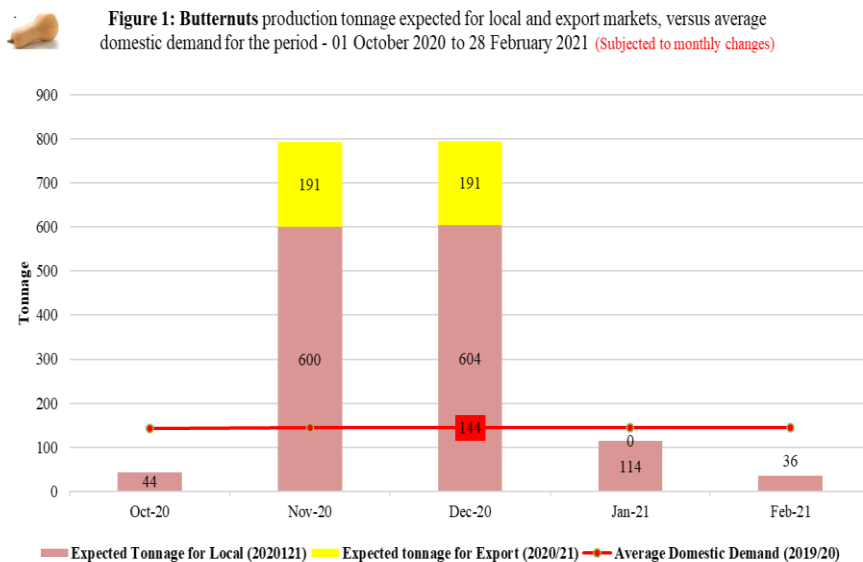
Table 4 below revealed that, the total tonnage expected for butternuts, gem squash, potatoes will be insufficient to meet the domestic demand in October 2020. This suggests that the borders will be open for importation of these products. Table 4 further indicates that cabbage and onions are expected 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 FOR DOMESTIC MARKET VERSUS AVERAGE DOMESTIC DEMAND							
Numbers in this table represents tonnage				Last updated: 20 September 2020			
Special Controlled and Monitored Crops	Expected Surplus or Shortage	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Total
Butternuts	Expected for domestic market	44	600	604	114	36	1398
	Avarage domestic demand	144	144	144	144	144	720
	Surplus / shortage	-100	456	460	-30	-108	678
Cabbage	Expected for domestic market	1233	1105	907	412	394	4052
	Avarage domestic demand	903	903	903	903	903	4515
	Surplus / shortage	330	202	4	-491	-509	-463
Gem Squash	Expected for domestic market	17	86	61	0	0	164
	Avarage domestic demand	32	32	32	32	32	160
	Surplus / shortage	-15	54	29	-32	-32	4
Onions	Expected for domestic market	1523	1391	993	124	30	4061
	Avarage domestic demand	552	552	552	552	552	2760
	Surplus / shortage	971	839	441	-428	-522	1301
Potatoes	Expected for domestic market	1326	1488	3039	2151	1415	9418
	Avarage domestic demand	3206	3206	3206	3206	3206	16030
	Surplus / shortage	-1880	-1719	-167	-1056	-1791	-6612
Broccoli	Expected for domestic market	51	19	19	19	14	122
	Avarage domestic demand	26	26	26	26	26	130
	Surplus / shortage	24	-7	-7	-7	-12	-8
Cauliflower	Expected for domestic market	47	17	17	17	14	111
	Avarage domestic demand	30	30	30	30	30	150
	Surplus / shortage	17	-13	-13	-13	-16	-39

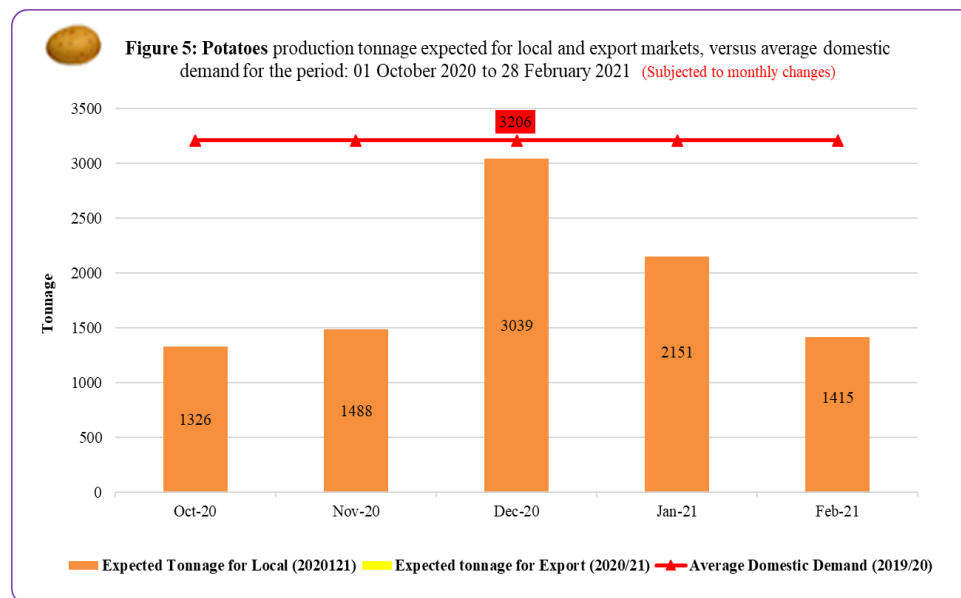
Source: NAB, 2020

4.2 GRAPHICAL ANALYSIS

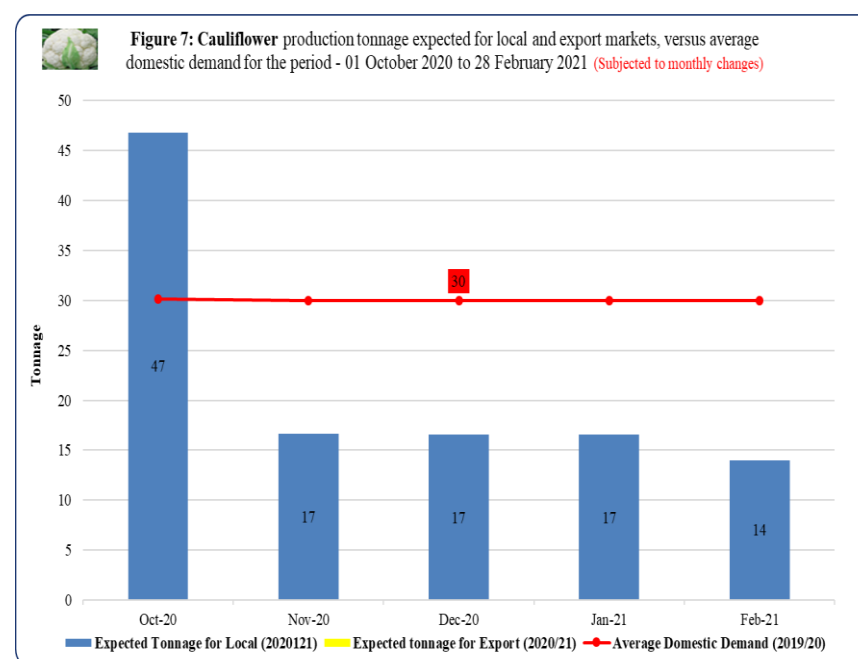
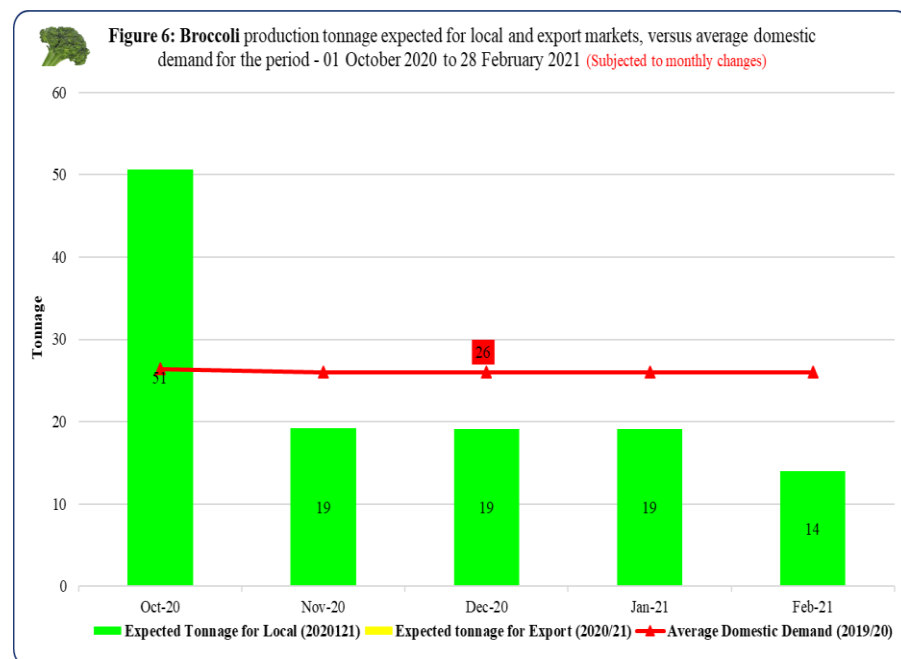
Graphical analysis determines the domestic production tonnage expected for the local and export markets as well as the average domestic demand. **Figure 2 and 4** below shows that the projected production tonnage for cabbage and onions reserved for local market is expected to be sufficient for the first 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.

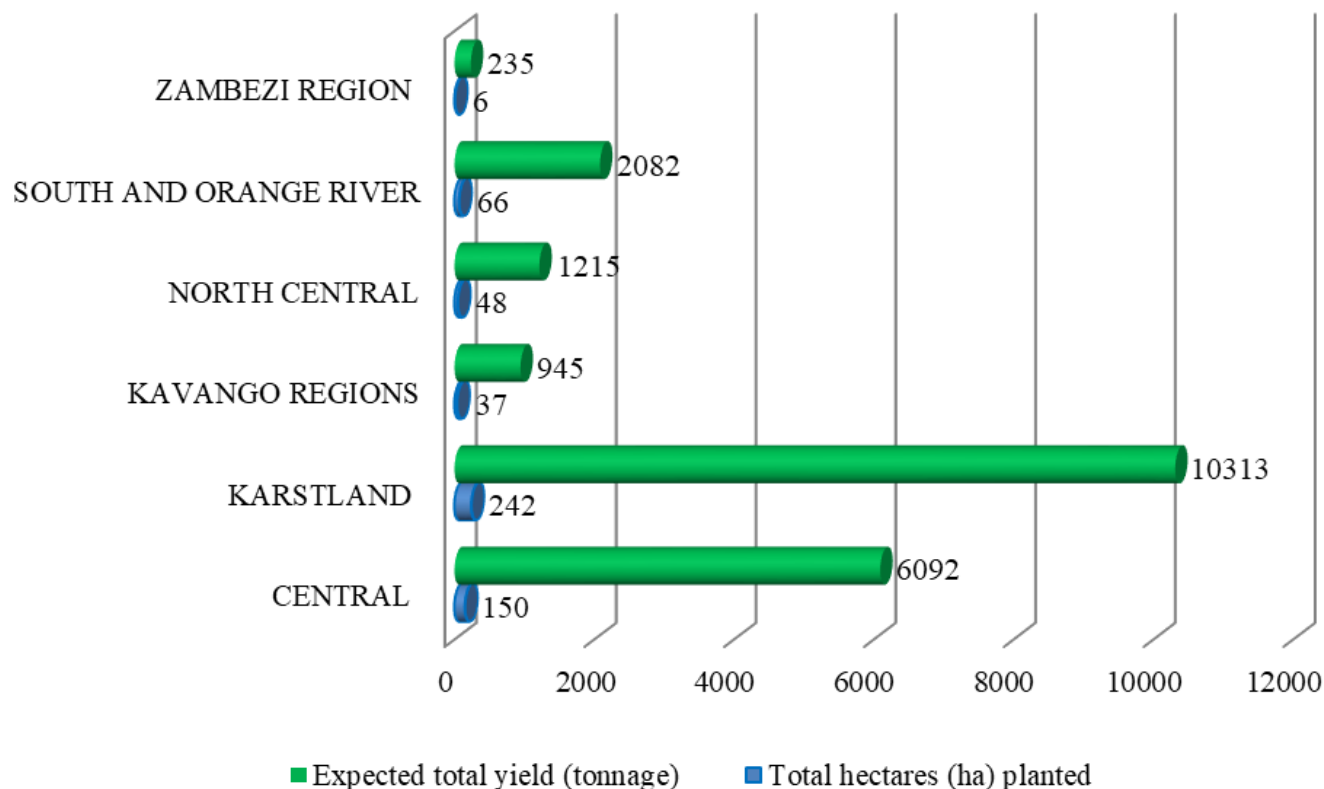


Source: NAB, 2020

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.

Figure 8: Total hectares planted versus expected total yield (tonnage) per production area



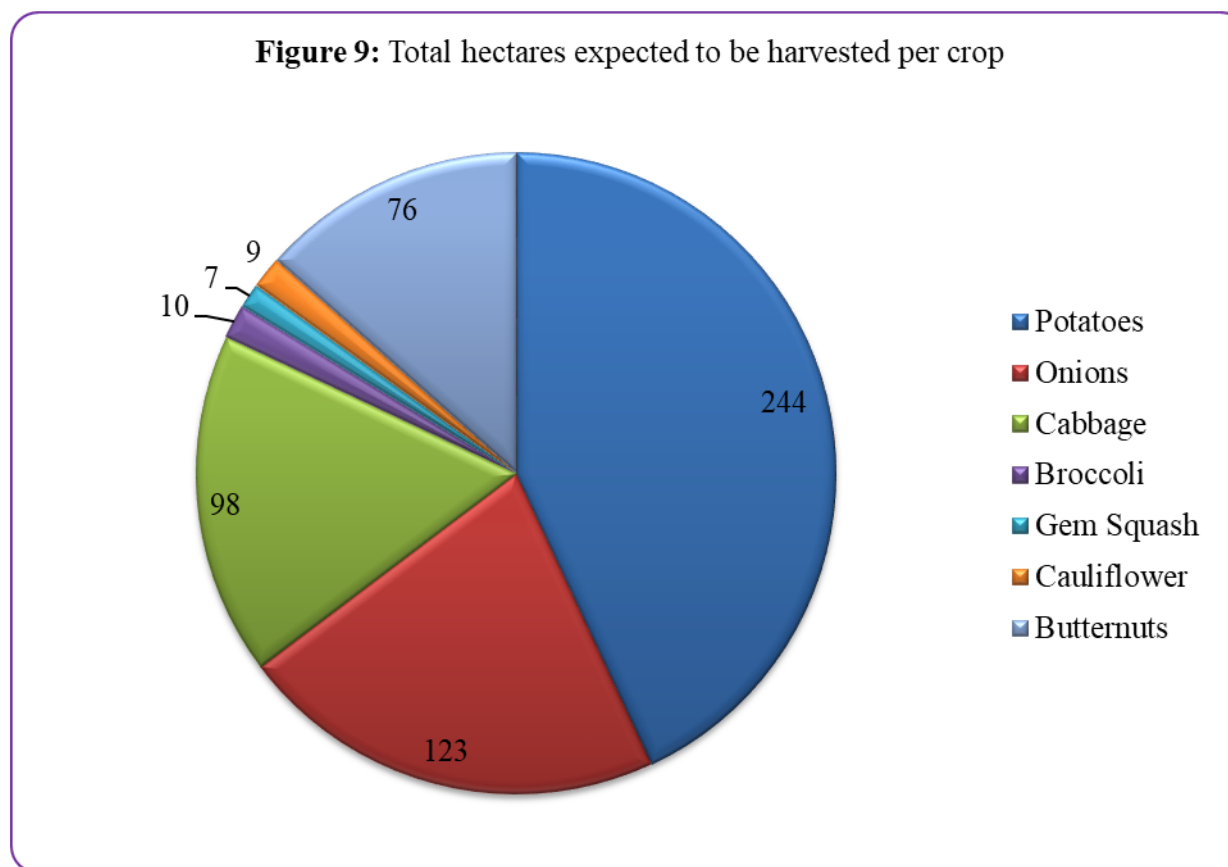
Source: NAB, 2020

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

