



Colored Pepper



Tomato Round



Tomato Jam



Carrot



Green Pepper



Pumpkin



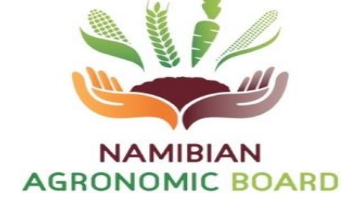
Spinach



Sweet corn



Mushroom



HORTICULTURE: PRODUCT PRODUCTION FORECAST

REPORT NO.2

FORECASTED PERIOD:

01 JANUARY 2021 TO 31 MAY 2021

**Agronomy and Horticulture Market Development
Division**

Horticulture Market Development Subdivision

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1. INTRODUCTION

Report no. 2, covers the local production forecast for the four special controlled products i.e. **Tomato (Round & Jam), Green Pepper, Carrot, and Pumpkin** as well as the Four monitored crops i.e. **Spinach, Sweet corn, Mushroom and Colored Pepper**. 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 the special controlled product scheme is stimulate local production of horticultural products in Namibia, as a growth at home strategy implemented by the NAB. Therefore, this report discusses the controlled crops production forecasted per area, expected availability per producer, tabulation and graphical analysis on expected production versus local demand and subsequently the hectares planted and average yield expected per hectare during the reporting season.

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

Product	Inclusions	Exclusions
1.Tomato	Tomatoes Round (Round shaped, red/partially red colour). Tomatoes Jam (Oval shaped, red / partially red colour), except the “Exclusions”.	All Small size type of tomatoes, i.e. Cherry, Cocktail, Bacio, Romanita, Rigoletto, and Medley mix, etc. All colours.
2.Green Pepper	All size groups and container size of Green Pepper, except the “Exclusions”.	Red Pepper, Yellow Pepper, and Orange Pepper, Peppers mix, etc.
3. Carrot	All size groups and container sizes of Orange fleshed Carrots as well as catering Orange Carrots full size or broken, except the “Exclusions”. -Red, Purple, White, Black, and Yellow Fleshed Carrots. 3. Pumpkins - All types.	Red, Purple, White, Black, and Yellow Fleshed Carrots.
4. Pumpkin	All types, size groups and container size of fresh/chilled whole or cut pumpkins.	All frozen, prepared or preserved pumpkins.

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

Table 1: revealed that, tomatoes round, tomatoes jam and carrots are the top commodities with high expected tonnages during the reporting period. Also, South and Orange area is leading in round tomato production, followed by Karstland area, whereas the North central area take a lead in jam tomatoes. Detailed for expected production per crop per production zone are shown in the Table 1 below.

Table 1A: EXPECTED PRODUCTION OF SPECIAL CONTROLLED PRODUCTS PER CROP PER AREA															
PRODUCTION AREA	CROP	Numbers in the table below represents tonnage												Totals	
		01-15 Jan 21		16-31 Jan 21		Feb-21		Mar-21		Apr-21		May-21		Expected tonnage	Hectares planted
		Local	Export	Local	Export	Local	Export	Local	Export	Local	Export	Local	Export		
ZAMBEZI	Tomato Round	6.3	0.0	4.1	0.0	4.3	0.0	4.6	0.0	0.0	0.0	0.0	0.0	19.3	0.8
	Tomato Jam	1.3	0.0	0.2	0.0	3.3	0.0	1.9	0.0	0.7	0.0	0.0	0.0	7.4	0.2
	Carrot	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Green Pepper	0.8	0.0	0.9	0.0	1.7	0.0	1.1	0.0	0.0	0.0	0.0	0.0	4.4	0.4
	Pumpkin	0.6	0.0	0.6	0.0	0.0	0.0	3.8	0.0	0.0	0.0	0.0	0.0	4.9	0.3
KAVANGO	Tomato Round	6.7	0.0	6.7	0.0	13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.3	1.0
	Tomato Jam	3.3	0.0	3.3	0.0	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.3
	Carrot	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Green Pepper	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Pumpkin	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NORTH CENTRAL	Tomato Round	0.0	0.0	1.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.1
	Tomato Jam	3.7	0.0	4.7	0.0	45.5	0.0	41.4	0.0	17.9	0.0	0.0	0.0	113.1	4.0
	Carrot	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Green Pepper	5.4	0.0	5.4	0.0	8.9	0.0	9.8	0.0	9.1	0.0	8.3	0.0	46.9	1.7
	Pumpkin	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.0	0.0	0.0	0.0	0.0	2.2	0.1

Table 1 continued.

KARST	Tomato Round	81.3	0.0	126.3	0.0	294.3	0.0	168.1	0.0	168.0	0.0	60.0	0.0	898.1	12.5
	Tomato Jam	35.3	0.0	100.5	0.0	182.0	0.0	65.4	0.0	60.0	0.0	0.0	0.0	443.1	8.2
	Carrot	232.5	0.0	232.5	0.0	690.0	0.0	690.0	0.0	655.0	0.0	635.0	0.0	3135.0	85.5
	Green Pepper	43.5	0.0	44.4	0.0	97.5	0.0	97.5	0.0	65.0	0.0	63.3	0.0	411.2	12.4
	Pumpkin	31.8	0.0	31.8	0.0	33.5	0.0	7.5	0.0	7.5	0.0	7.5	0.0	119.5	3.8
CENTRAL	Tomato Round	67.5	0.0	67.5	0.0	165.0	0.0	103.5	0.0	73.0	0.0	32.5	0.0	509.0	11.8
	Tomato Jam	6.3	0.0	6.3	0.0	42.6	0.0	9.3	0.0	0.0	0.0	0.0	0.0	64.4	1.7
	Carrot	24.0	0.0	24.0	0.0	39.0	0.0	43.0	0.0	30.0	0.0	30.0	0.0	190.0	6.2
	Green Pepper	37.4	0.0	37.4	0.0	88.8	0.0	62.1	0.0	2.0	0.0	2.0	0.0	229.8	4.4
	Pumpkin	60.0	0.0	60.0	0.0	0.0	0.0	0.0	0.0	50.0	0.0	0.0	0.0	170.0	4.0
SOUTH AND ORANGE RIVER	Tomato Round	27.2	0.0	27.2	0.0	56.4	0.0	58.2	0.0	13.1	0.0	3.8	0.0	185.9	13.7
	Tomato Jam	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Carrot	0.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	0.5
	Green Pepper	13.7	0.0	14.0	0.0	22.6	0.0	20.0	0.0	8.8	0.0	0.0	0.0	79.2	3.8
	Pumpkin	36.3	0.0	36.3	0.0	32.5	0.0	12.5	0.0	0.0	0.0	0.0	0.0	117.5	8.0
Total expected per crop per month	Tomato Round	189.0	0.0	232.8	0.0	535.0	0.0	334.4	0.0	254.1	0.0	96.3	0.0	1641.6	39.8
	Tomato Jam	49.9	0.0	115.0	0.0	276.7	0.0	117.8	0.0	78.6	0.0	0.0	0.0	638.0	14.4
	Carrot	256.5	0.0	256.5	0.0	749.0	0.0	733.0	0.0	685.0	0.0	665.0	0.0	3345.0	92.2
	Green Pepper	100.9	0.0	102.1	0.0	219.5	0.0	190.6	0.0	84.9	0.0	73.5	0.0	771.4	22.6
	Pumpkin	128.6	0.0	128.6	0.0	66.0	0.0	26.0	0.0	57.5	0.0	7.5	0.0	414.1	16.2

Table 1 continued.

Table 1B: EXPECTED PRODUCTION OF MONITORED PRODUCTS PER CROP PER AREA													
PRODUCTION AREA	CROP											Totals	
		Jan-21		Feb-21		Mar-21		Apr-21		May-21		Expected tonnage	Hectares planted
		Local	Export	Local	Export	Local	Export	Local	Export	Local	Export		
ZAMBEZI	Spinach	0.2		0.2		0.2		0.0		0.0		0.6	0.1
	Sweet Corn	0.0		0.0		0.0		0.0		0.0		0.0	0.0
	Colored Pepper	0.0		0.0		0.0		0.0		0.0		0.0	0.0
	Mushroom	0.0		0.0		0.0		0.0		0.0		0.0	0.0
KAVANGO	Spinach	0.0		0.0		0.0		0.0		0.0		0.0	0.0
	Sweet Corn	0.0		0.0		0.0		0.0		0.0		0.0	0.0
	Colored Pepper	0.0		0.0		0.0		0.0		0.0		0.0	0.0
	Mushroom	0.0		0.0		0.0		0.0		0.0		0.0	0.0
NORTH CENTRAL	Spinach	0.4		0.2		0.2		0.2		0.2		1.2	1.0
	Sweet Corn	1.2		0.4		0.0		0.0		0.0		1.6	0.0
	Colored Pepper	0.0		0.0		0.0		0.0		0.0		0.0	0.0
	Mushroom	0.0		0.0		0.0		0.0		0.0		0.0	0.0
KARST	Spinach	6.1		6.1		6.1		6.1		6.1		30.6	3.4
	Sweet Corn	24.5		24.5		24.5		24.5		24.5		122.5	45.0
	Colored Pepper	4.0		4.0		4.0		4.0		4.0		20.0	0.8
	Mushroom	0.0		0.0		0.0		0.0		0.0		0.0	0.0
CENTRAL	Spinach	52.4		62.4		56.6		22.5		19.5		213.5	14.2
	Sweet Corn	9.0		11.5		0.0		0.0		0.0		20.5	1.3
	Colored Pepper	33.5		33.5		62.3		8.7		5.8		143.9	3.3
	Mushroom	4.5		9.3		8.5		8.5		8.5		39.3	0.4
SOUTH AND ORANGE RIVER	Spinach	0.0		0.0		0.0		0.0		0.0		0.0	0.0
	Sweet Corn	0.0		0.0		0.0		0.0		0.0		0.0	0.0
	Colored Pepper	0.0		0.0		0.0		0.0		0.0		0.0	0.0
	Mushroom	0.0		0.0		0.0		0.0		0.0		0.0	0.0
Total expected per crop per month	Spinach	59.2	0.0	68.9	0.0	63.1	0.0	28.8	0.0	25.8	0.0	245.8	18.5
	Sweet Corn	34.7	0.0	36.4	0.0	24.5	0.0	24.5	0.0	24.5	0.0	144.6	46.3
	Colored Pepper	37.5	0.0	37.5	0.0	66.3	0.0	12.7	0.0	9.8	0.0	163.9	4.1
	Mushroom	4.5	0.0	9.3	0.0	8.5	0.0	8.5	0.0	8.5	0.0	39.3	0.4

Source: NAB,2020

3. EXPECTED AVAILABILITY

Table 2, below indicate active producers that expect to harvest controlled products as well as monitored products listed below. It is worth noting that, only one active producer for mushroom countrywide. Indicating a need for farmers, to diversify into mushroom production. Refer to table 2 below for more details.






















TABLE 2 : EXPECTED AVAILABILITY OF SPECIAL CONTROLLED PRODUCTS																																	
KEY: Tomato Round =  Tomato Jam =  Carrot =  Green Pepper =  Pumpkin = 																																	
ZAMBEZI AREA																																	
SN	Name Of Producer	Local	Export	01 to 15 Jan 2021					16 to 31 Jan 2021					Feb-21					Mar-21					Apr-21					May-21				
				Tomato Round	Tomato Jam	Carrot	Green pepper	Pumpkin	Tomato Round	Tomato Jam	Carrot	Green Pepper	Pumpkin	Tomato Round	Tomato Jam	Carrot	Green pepper	Pumpkin	Tomato Round	Tomato Jam	Carrot	Green Pepper	Pumpkin	Tomato Round	Tomato Jam	Carrot	Green pepper	Pumpkin	Tomato Round	Tomato Jam	Carrot	Green pepper	Pumpkin
1	Pitiya Paul	√																															
2	Mukwata Morven	√																															
3	Clemens Makumbi	√																															
4	Mpulila Manga	√																															
5	Cavin Sikalumbu	√																															
6	Rector Mutelo	√																															
7	Clement Mulyokela	√																															
8	Rebecca N Masilingi	√																															
9	Florance Likezo	√																															
10	Kamwi Lubanda	√																															
11	Jerome Lubanda	√																															
KAVANGO AREA																																	
1	Sikondo Commercial	√																															
2	Sikondo MSF	√																															

Table 2 continued.

NORTH CENTRAL AREA																									
1	Willem Ankama	√																							
2	Asser Moses	√																							
3	Erastus Mumbala	√																							
4	Micheal Shaningamwe	√																							
5	Silvanus Naunyango	√																							
6	Noa Hanyanya	√																							
7	Ndasilohenda Nakashwa	√																							
8	Petrus Matheus	√																							
9	Titus Paulus	√																							
10	Fiina Valombola	√																							
11	Shetuka Shetuka	√																							
12	Paulus Ilonga Kapia	√																							
13	Innocens Kalola	√																							
14	Akathigo and Ismael Kapuka	√																							
15	Dennis Kalunga	√																							
16	Simeon Negumbo	√																							
17	Onesmas A Jordan	√																							
KARST AREA																									
1	Phelep Pandukeni	√																							
2	Theopauline Ruitier	√																							
3	Fredrik Haikwa	√																							
4	Peter Kawana	√																							
5	Johan A Cloete	√																							
6	Karl Damaseb	√																							
7	Jan Cronje	√																							
8	Magano Kapia	√																							
9	Elizabeth Nekundi	√																							
10	Mark Von Maltzahl	√																							
11	Alpheus Angula	√																							
12	Hansie van der Merwe	√																							
13	Dirk Van De Berg	√																							
14	Louis Smit	√																							
15	Wuhn Willem Schalk	√																							
16	Hannes Swanepol	√																							
17	Caleb Munjoma	√																							
18	Morne Cronje	√																							
19	Bernd Stroh	√																							

Table 2 continued.

CENTRAL AREA																											
1	Dirk Wobbling	√																									
2	Grunnar Waldschmidt	√																									
3	Katrina Kandjii-Black	√																									
4	Johannes Meyer	√																									
5	Stephan Gaugler	√																									
6	Jaco Van Westhuizen	√																									
7	Lothar Kollimtz	√																									
8	Hagen Horthsmark	√																									
9	George Ellis	√																									
10	Simson Kuhangwa Kazapua	√																									
11	Jenny Esterhuizen	√																									
12	Xavier Philander	√																									
13	MKR Clandara	√																									
14	Raymond Masuku	√																									
15	Piete De Lange	√																									
16	Lonie Hart	√																									
17	Geral Heiser	√																									
18	Johannes Michiel van Helsding	√																									
19	Dinah Straus	√																									
20	Mrs Botes	√																									
21	Jaco Thomas	√																									
22	Magnus Kurz	√																									
23	Martha Alweendo	√																									
24	Milton Augumeb	√																									
25	Isak Nahum	√																									
26	Hubertus Gaochab	√																									
SOUTH AND ORANGE RIVER AREA																											
1	Herman Van Dyk	√																									
2	Louis Louw	√																									
3	Hoekes Vann Niekerk	√																									
4	Charl van Rensburg	√	√																								
5	Rudie Kotze	√																									
6	Jimmy O Kennedy	√																									
7	Fanie Louw	√																									
8	F Jansen Van Rensburg	√																									
9	Jean Roux	√																									
10	Johan Rieckert	√																									
11	Arthur Makhza	√																									

Table 2 continued..




































































TABLE 2 : EXPECTED AVAILABILITY OF MONITORED CROPS																							
KEY: Mushroom =  Spinach=  Sweet Corn=  Colored Pepper= 																							
ZAMBEZI AREA																							
SN	Name Of Producer	Local	Export	Nov-20				Dec-20				Jan-21				Feb-21				Mar-21			
				Mushroom	Spinach	Sweet Corn	Colored Pepper	Mushroom	Spinach	Sweet Corn	Colored Pepper	Mushroom	Spinach	Sweet Corn	Colored Pepper	Mushroom	Spinach	Sweet Corn	Colored Pepper	Mushroom	Spinach	Sweet Corn	Colored Pepper
1	Fernando Batista	√																					
NORTH CENTRAL AREA																							
1	Dennis Kalunga	√																					
2	Akathigo and Ismael Kapuka	√																					
3	Rassie Erasmus	√																					
4	Johanna Benjamen	√																					
KARST AREA																							
1	Theopauline Ruiters	√																					
2	Johan A Cloete	√																					
3	Elizabeth Nekundi	√																					
4	Dirk Van De Berg	√																					
5	Louis Smit	√																					
6	Wuhn Willem Schalk	√																					
7	Hannes Swanepol	√																					
8	Hansie Van der Merwe	√																					

Table 2 continued.

CENTRAL AREA																						
1	Jan Conradie	√																				
2	Grunnar Waldschmidt	√																				
3	Anton Koekmoer	√																				
4	Gavin Diergaardt	√																				
5	Stephan Gaugler	√																				
6	Lucia Conradie	√																				
7	Berenice Cronza	√																				
8	Renier van Wyk	√																				
9	Simson Kuhangwa Kazapua	√																				
10	Jenny Esterhuizen	√																				
11	Welme Myburen	√																				
12	Katrina Kandjii-Black	√																				
13	Mrs Botes	√																				
14	Isak Nahum	√																				
15	Derck Jacobs	√																				
16	Martha Alweendo	√																				
17	Dirk Wobbling	√																				
18	Hubertus Gaochab	√																				
SOUTH AND ORANGE RIVER AREA																						
1	Charl Van Rensburg	√																				

Source: NAB,2020

4. EXPECTED PRODUCTION VS DEMAND ANNALYSIS

4.1 TABULATION ANALYSIS

Table 3: Below indicates expected production versus the average domestic demand per crop per month

The total tonnage expected for Jam and Round Tomato, Carrot and Pumpkin will be Sufficient, to meet the domestic market demand during the first month of the forecasted period. Whereas Green pepper will be in short supply, during the entire period of this forecast report.

Table 3A: EXPECTED PRODUCTION VERSUS DOMESTIC DEMAND ANALYSIS FOR SPECIAL CONTROLLED PRODUCTS

		Numbers in this table represents Tonnage						
Crop	Expected Shortage or Surplus	01-15 Jan 21	16-31 Jan 21	Feb-21	Mar-21	Apr-21	May-21	TOTAL
Tomato Round	Expected for Domestic Market	188.989	232.845	535	334.39	254.09	96.26	1641.574
	Average Domestic Demand	224.5	224.5	449	449	449	449	2245
	Surplus / Shortage	-35.511	8.345	86	-114.61	-194.91	-352.74	-603.426
Tomato Jam	Expected for Domestic Market	49.88	115	276.67	117.84	78.64	0	638.03
	Average Domestic Demand	82	82	164	164	164	164	820
	Surplus / Shortage	-32.12	33	112.67	-46.16	-85.36	-164	-181.97
Carrot	Expected for Domestic Market	256.5	256.5	749	733	685	665	3345
	Average Domestic Demand	236	236	472	472	472	472	2360
	Surplus / Shortage	20.5	20.5	277	261	213	193	985
Green Pepper	Expected for Domestic Market	100.865	102.117	219.473	190.563	84.87	73.53	771.418
	Average Domestic Demand	106	106	212	212	212	212	1060
	Surplus / Shortage	-5.135	-3.883	7.473	-21.437	-127.13	-138.47	-288.582
Pumpkin	Expected for Domestic Market	128.565	128.565	66	25.95	57.5	7.5	414.08
	Average Domestic Demand	21	21	42	42	42	42	210
	Surplus / Shortage	107.565	107.565	24	-16.05	15.5	-34.5	204.08

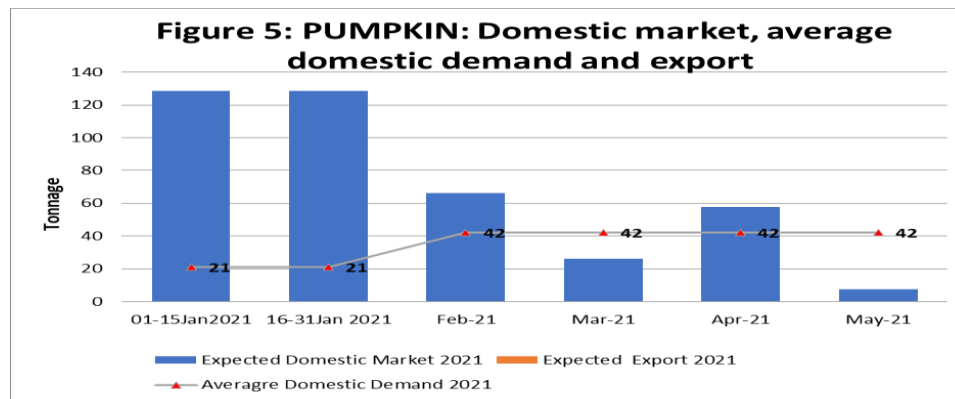
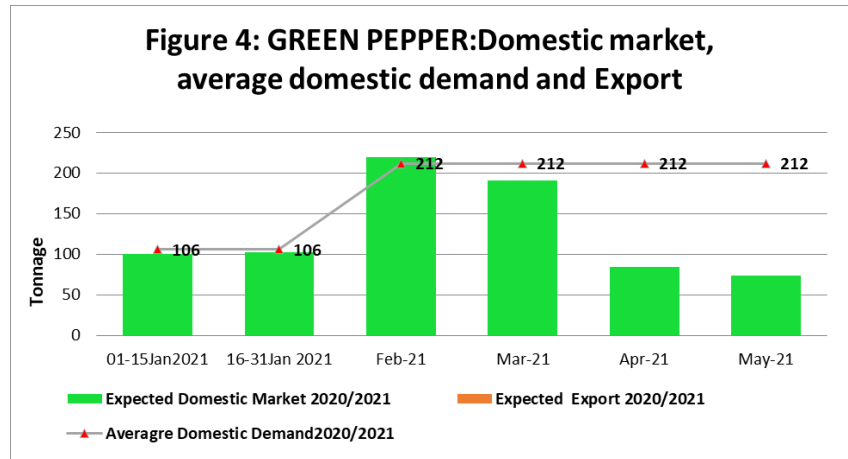
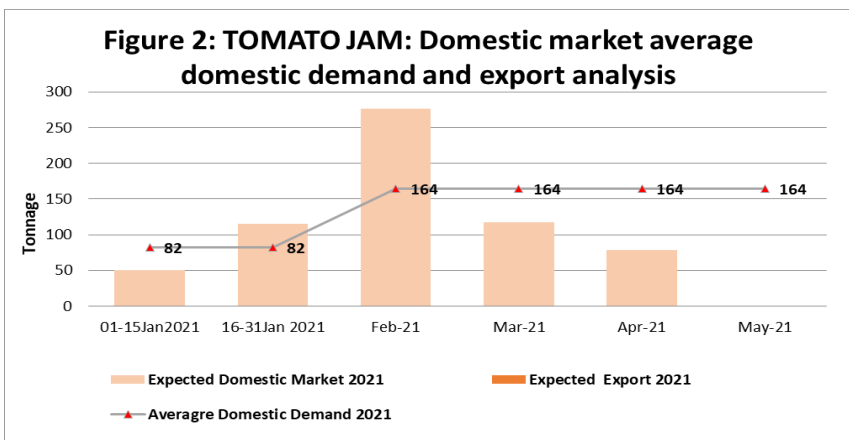
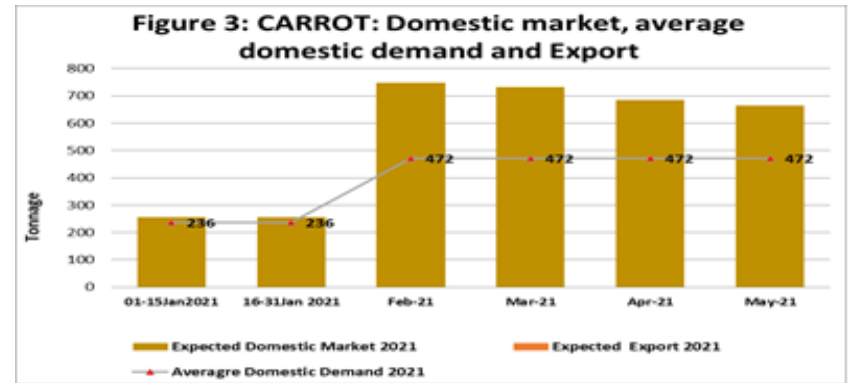
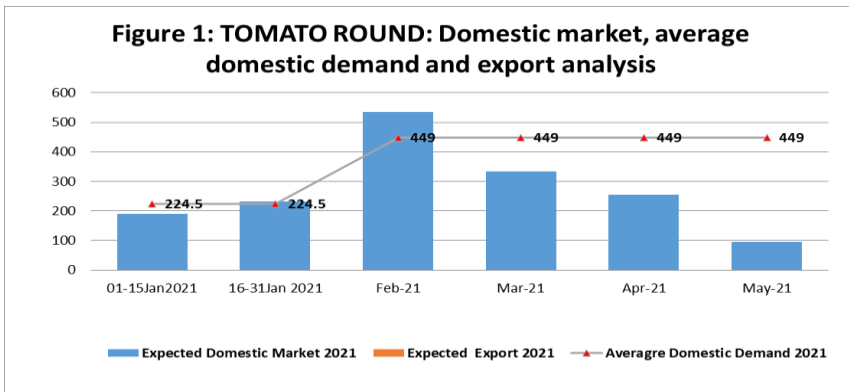
Table 2 continued.

Table 3B: EXPECTED PRODUCTION OF MONITORED PRODUCTS VERSUS DOMESTIC DEMAND ANALYSIS							
		Numbers in this table represents Tonnage					
Crop	Expected Shortage or Surplus	Jan-21	Feb-21	Mar-21	Apr-21	May-21	TOTAL
Spinach	Expected for Domestic Market	59.2	68.9	63.1	28.8	25.8	245.8
	Average Domestic Demand	46.0	46.0	46.0	46.0	46.0	230.0
	Surplus /Shortage	13.2	22.9	17.1	-17.2	-20.2	15.8
Sweet Corn	Expected for Domestic Market	34.7	36.4	24.5	24.5	24.5	144.6
	Average Domestic Demand	70.0	70.0	70.0	70.0	70.0	350.0
	Surplus /Shortage	-35.3	-33.6	-45.5	-45.5	-45.5	-205.4
Mushroom	Expected for Domestic Market	4.5	9.3	8.5	8.5	8.5	39.3
	Average Domestic Demand	77.0	77.0	77.0	77.0	77.0	385.0
	Surplus /Shortage	-72.5	-67.8	-68.5	-68.5	-68.5	-345.8
Colored Pepper	Expected for Domestic Market	37.506	37.506	66.346	12.73	9.83	163.918
	Average Domestic Demand	99.6	99.6	99.6	99.6	99.6	498
	Surplus /Shortage	-62.094	-62.094	-33.254	-86.87	-89.77	-334.082

Source : NAB,2020

4.2 GRAPHICAL ANALYSIS

Figures 1- 9: Below indicate the Domestic market, average domestic demand and export analysis and this shows that we will have sufficient local supply of Jam and Round Tomatoes in the last two weeks of January 2021. However, in the first two weeks of January 2021, it is revealed that these crops (round/jam tomatoes) will be in shortage. In addition, Carrots and pumpkins will be sufficient throughout January month, whereas, Green pepper will be insufficient in whole month of January 2021.



Source : NAB,2020

5. HECTARES PLANTED AND EXPECTED YIELD PER HECTARE (Figure 10-13)

The highest hectares planted is for Round Tomato (63.1 ha) followed by Carrot (38.7 ha) with Tomato Jam having smallest area planted (26.2 ha) for the special controlled products. While Sweet Corn (42.8 ha) is the highest under the monitored crop, while the lowest is Mushroom (0.2 ha) as demonstrated below.

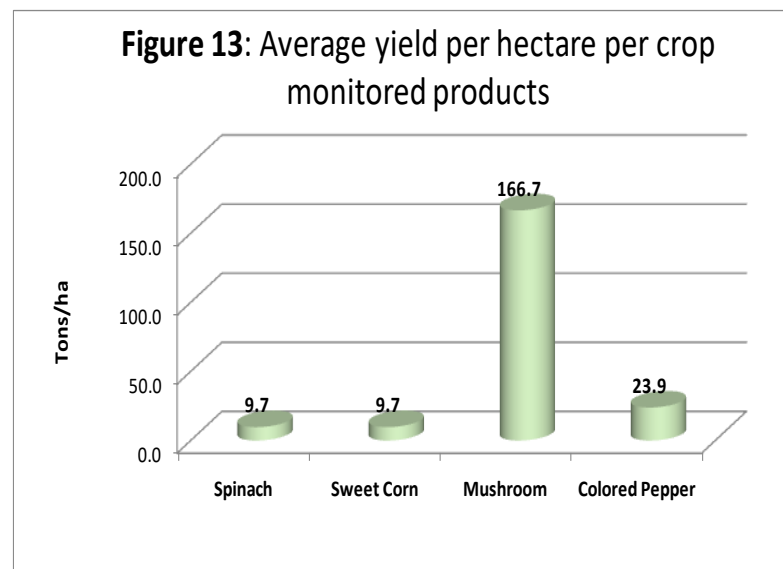
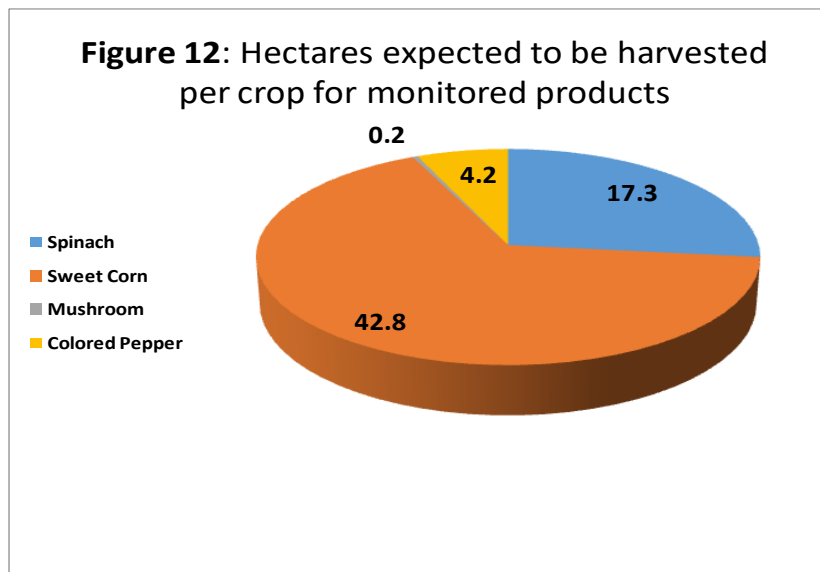
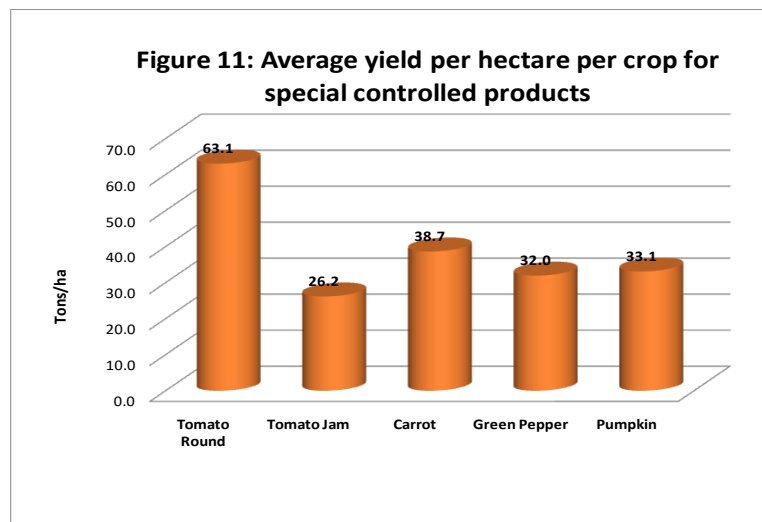


Figure14. Shows that KARST area has the highest number of hectares planted and production volume expected during the forecasted period, while Zambezi area expected to have the lowest hectares planted and production volume.

