



Tomato Round



Tomato Jam



Carrot



Green Pepper



Pumpkin



Spinach



Sweet corn



Mushroom



HORTICULTURE: PRODUCT PRODUCTION FORECAST

REPORT NO. 2

FORECASTED PERIOD:

01 SEPTEMBER 2020 TO 31 JANUARY 2021

**Agronomy and Horticulture Market Development
Division**

Horticulture Market Development Subdivision

Enquiries: Ms. Patrick Lubanda

Cell: +264 81 2895454

Email: Patrick.Lubanda@nab.com.na

1. INTRODUCTION

Report no. 2, covers the local production forecast for the **four (4) special controlled products** i.e. **Tomato, Green Pepper, Carrot, and Pumpkin** as well as the **three (3) monitored crops** i.e. **Spinach, Sweet corn and Mushroom**. 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 (MSP) 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 1: EXPECTED PRODUCTION PER CROP PER PRODUCTION AREA													
		Numbers in the table represents the tonnage expected from each area										Total Tonnage Expected	Total Hectares Planted
PRODUCTION AREAS	CROPS	Sep-20		Oct-20		Nov-20		Dec-20		Jan-21			
		Local	Export	Local	Export	Local	Export	Local	Export	Local	Export		
ZAMBEZI REGION	Tomato Round	49	0	57	0	28	0	9	0	0	0	143	3.4
	Tomato Jam	28	0	13	0	1	0	0	0	0	0	42	1.0
	Carrot	3	0	2	0	0	0	0	0	0	0	5	0.2
	Green Pepper	0	0	1	0	1	0	1	0	0	0	4	0.3
	Pumpkin	0	0	0	0	0	0	0	0	0	0	0	0.0
	Spinach	1	0	1	0	1	0	1	0	0	0	3	0.4
	Sweet corn	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
KAVANGO REGIONS	Tomato Round	1	0	2	0	4	0	74	0	70	0	150	2.2
	Tomato Jam	14	0	22	0	18	0	8	0	5	0	67	3.9
	Carrot	24	0	23	0	8	0	1	0	0	0	55	3.8
	Green Pepper	5	0	7	0	4	0	2	0	1	0	19	1.0
	Pumpkin	0	0	0	0	0	0	0	0	0	0	0	0.0
	Spinach	1	0	1	0	1	0	0	0	0	0	3	0.0
	Sweet corn	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
NORTH CENTRAL AREA	Tomato Round	27	0	52	0	20	0	5	0	0	0	103	2.1
	Tomato Jam	148	0	209	0	174	0	142	0	36	0	709	25.4
	Carrot	12	0	16	0	17	0	7	0	0	0	52	2.1
	Green Pepper	8	0	17	0	24	0	13	0	11	0	73	3.3
	Pumpkin	2	0	2	0	3	0	0	0	0	0	7	0.2
	Spinach	0	0	0	0	1	0	1	0	1	0	4	0.2
	Sweet corn	0	0	0	0	0	0	0	0	0	0	1	0.1
	Mushroom	0	0	0	0	0	0	0	0	0	0	0	0.0

Table 1 continued.

KARSTLAND AREA	Tomato Round	120	0	250	0	302	0	242	0	238	0	1,152	17.0
	Tomato Jam	5	0	37	0	120	0	135	0	61	0	359	5.5
	Carrot	540	0	735	0	756	0	633	0	633	0	3,297	31.5
	Green Pepper	0	0	88	0	171	0	180	0	170	0	608	11.0
	Pumpkin	0	0	0	0	30	0	26	0	26	0	82	4.8
	Spinach	0	0	5	0	5	0	5	0	5	0	0	0.7
	Sweet corn	0	0	0	0	26	0	209	0	209	0	443	7.5
	Mushroom	0	0	0	0	0	0	0	0	0	0	0	0.0
CENTRAL AREA	Tomato Round	57	0	57	0	98	0	133	0	126	0	471	13.8
	Tomato Jam	10	0	15	0	15	0	15	0	15	0	70	1.0
	Carrot	1	0	1	0	21	0	38	0	31	0	92	2.0
	Green Pepper	26	0	31	0	37	0	54	0	44	0	192	1.9
	Pumpkin	0	0	0	0	33	0	73	0	100	0	207	4.7
	Spinach	16	0	19	0	19	0	19	0	18	0	89	7.5
	Sweet corn	30	0	30	0	30	0	0	0	0	0	90	3.3
	Mushroom	8	0	8	0	8	0	8	0	8	0	40	0.1
SOUTH AND ORANGE RIVER AREAS	Tomato Round	224	396	184	36	405	36	400	36	266	0	1,983	26.2
	Tomato Jam	0	0	0	0	0	0	0	0	0	0	0	0.0
	Carrot	25	0	0	0	15	0	10	0	0	0	50	0.6
	Green Pepper	0	0	0	0	8	0	33	0	26	0	67	1.2
	Pumpkin	25	0	10	0	100	0	108	0	139	0	382	11.2
	Spinach	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
	Mushroom	0	0	0	0	0	0	0	0	0	0	0	0.0
Total expected production per crop per month	Tomato Round	478	396	601	36	856	36	863	36	700	0	4,001	64.6
	Tomato Jam	205	0	296	0	328	0	300	0	117	0	1,246	36.8
	Carrot	605	0	776	0	817	0	689	0	664	0	3,550	40.3
	Green Pepper	40	0	144	0	245	0	283	0	251	0	964	18.7
	Pumpkin	27	0	12	0	166	0	207	0	265	0	677	20.9
	Spinach	18	0	25	0	26	0	25	0	23	0	100	8.8
	Sweet corn	30	0	30	0	56	0	209	0	209	0	534	5.0
	Mushroom	8	0	8	0	8	0	8	0	8	0	40	1.0

Source: NAB,2020

3. EXPECTED AVAILABILITY

Table 2 below indicate active producers that expect to harvest controlled crops listed below. It is worth noting that, only one active producer for mushroom and two for sweetcorn during the reporting season. Suggesting a need for farmers to diversify into mushroom and sweetcorn to meet the local demand. Refer to table 2 below for more details.



















































































Table 2: EXPECTED AVAILABILITY OF THE SPECIAL CONTROLLED PRODUCTS																																											
KEY : Tomato Round =  Tomato Jam =  Carrot =  Green Pepper =  Pumpkin =  Spinach =  Sweet corn =  Mushroom = 																																											
ZAMBEZI AREA																																											
NAME OF PRODUCER		Local	Export	Sep-20								Oct-20								Nov-20								Dec-20								Jan-21							
				Tomato Round	Tomato Jam	Carrot	Green Pepper	Pumpkin	Spinach	Sweet corn	Mushroom	Tomato Round	Tomato Jam	Carrot	Green Pepper	Pumpkin	Spinach	Sweet corn	Mushroom	Tomato Round	Tomato Jam	Carrot	Green Pepper	Pumpkin	Spinach	Sweet corn	Mushroom	Tomato Round	Tomato Jam	Carrot	Green Pepper	Pumpkin	Spinach	Sweet corn	Mushroom								
1	Clemens Makumbi	✓																																									
2	Rector Mutelo	✓																																									
3	Mulemwa Goaises	✓																																									
4	Kamwi Lubanda	✓																																									
5	Raphael Kachana	✓																																									
6	Fidelis Mbeha	✓																																									
7	Bernard Sitali	✓																																									
8	Alfred Lutaka	✓																																									
9	Fernando Batista	✓																																									
10	Shabalume Aldrin	✓																																									
11	Mpulila Manga	✓																																									
12	Sharon Musine	✓																																									
13	Inran Vadi	✓																																									
14	Suhail Bhamjee	✓																																									
15	Essop Amhed	✓																																									
16	Davis Mushitu	✓																																									
17	Oscar Sililo	✓																																									
18	Bertha Maswahu	✓																																									
19	Cavin Sikalumba	✓																																									
20	Molly Mulife	✓																																									
21	Charles Nawa	✓																																									
22	Robert Mapenzi	✓																																									
23	Kamwi Lilungwe	✓																																									

Table 2 continued.

KAVANGO AREA																													
1	Felismina Kaumba	✓																											
2	Kapepo Eleotera	✓																											
3	Susan Benjamin	✓																											
4	Ehregadius Kauma	✓																											
5	Christine Ndara	✓																											
6	Kasiku Ihemba	✓																											
7	Noah Lumao	✓																											
8	Maria Mavaya	✓																											
9	Theresia Ambrosius	✓																											
10	Elizabeth Masedo	✓																											
11	Adriano Mendes	✓																											
12	Theresia Makanga	✓																											
13	Rosa Musenge	✓																											
14	Wilhelmine Kasonda	✓																											
15	Elizabeth Johannes	✓																											
16	Bertha Nguvulu	✓																											
17	Elizabeth Kambinda	✓																											
18	Anastacia Flai	✓																											
19	Sarafine Muronga	✓																											
20	Juajna Andreas	✓																											
21	Magdalena Simuketa	✓																											
22	Maria Augusto	✓																											
23	Joao Kayombe	✓																											
24	Ignatius Nyangana	✓																											
25	Auriku Philomina	✓																											
26	Angelina Kavaleka	✓																											
27	Annamarie Shipapo	✓																											
28	Virginia Mukoya	✓																											
29	Christine Mudi	✓																											
30	Agnes Sikongo	✓																											
31	Agatha Muronga	✓																											
32	Eunike Ntjamba	✓																											
33	John Miranda	✓																											
34	Daniel Membrathu	✓																											
35	David Petrus	✓																											
36	Naas Coetzee	✓																											

Table 2 continued.

[illegible]

KARSTLAND AREA




























































NAME OF PRODUCER		Local	Export	Sep-20							Oct-20							Nov-20							Dec-20							Jan-21														
1	Jan Cronje	✓	✓																																											
2	Morne Cronje	✓																																												
3	Michael Iyambo	✓																																												
4	Kuhn Willem Schalk	✓																																												
5	Hansie van der Merwe	✓																																												
6	PG Breedt	✓																																												
7	Hannes Swanepoel	✓																																												
8	Theopauline Ruitter	✓																																												
9	Johann A. Cloete	✓																																												
10	Phelep Pendukeni	✓																																												
11	Elke Naude	✓																																												

Table 2 continued.

SOUTH AND ORANGE RIVER AREA																																					
1	Abe Olivier	✓	✓	🍅																																	
2	Nico van der Merwe	✓	✓	🍅							🍅																										
3	Francois van Rensburg	✓																																			
4	Hoekes van Niekerk	✓																																			
5	Fannie Louw	✓																																			
6	Jean Roux	✓																																			
7	Chris Huisamen	✓																																			
8	ORIP SSF	✓																																			
9	Jimmy O Kennedy	✓																																			
10	Rudi Kotze	✓																																			
11	Burge J Harmes	✓																																			
12	Loius Louw	✓																																			
13	Herman van Dyk	✓																																			
14	Theresia Aochamos	✓																																			
15	Kirk Bassingthwaighte	✓																																			

Kindly note: Producers not be listed herein, it is either because they will not be harvesting any of the special controlled product or they did not provide needed information.

Source: NAB, 2020

4. EXPECTED PRODUCTION VS DEMAND ANALYSIS

4.1 TABULATION ANALYSIS

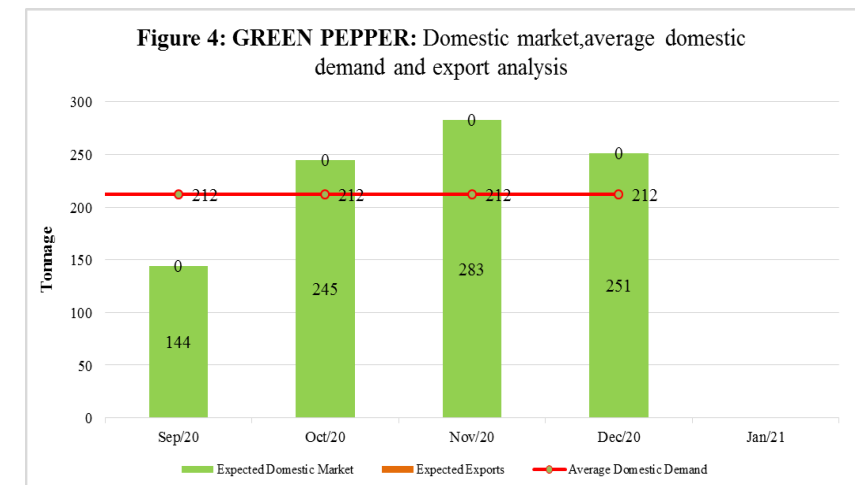
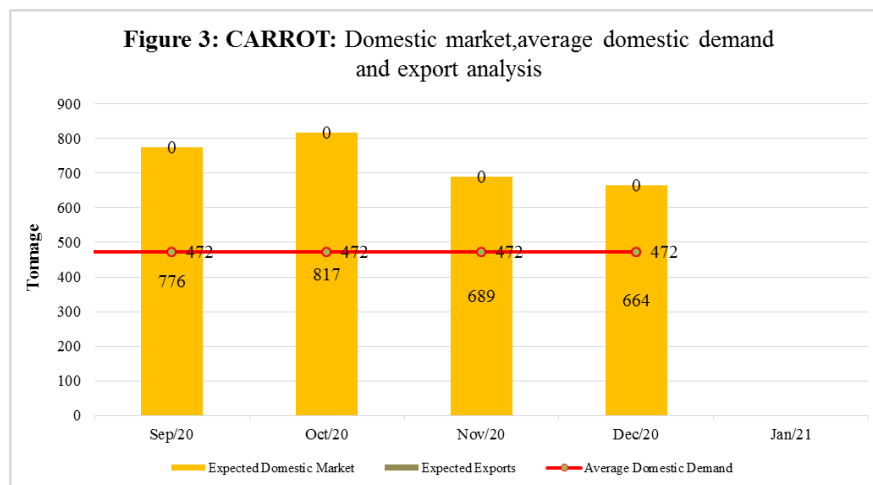
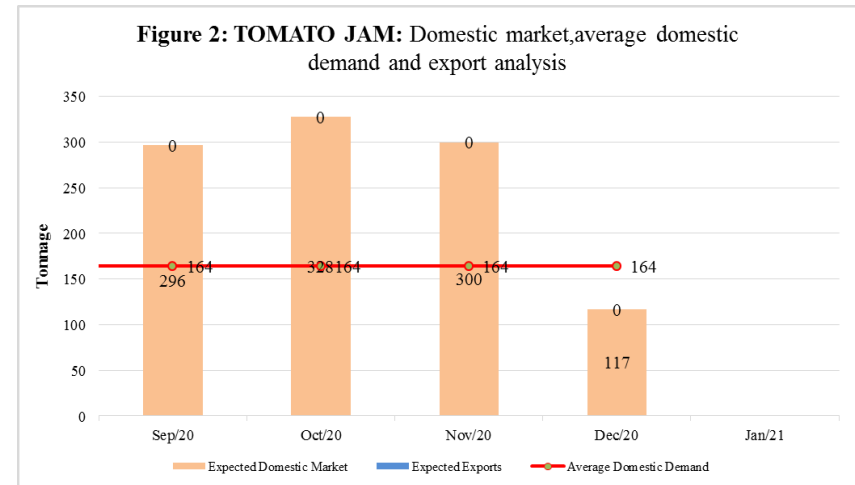
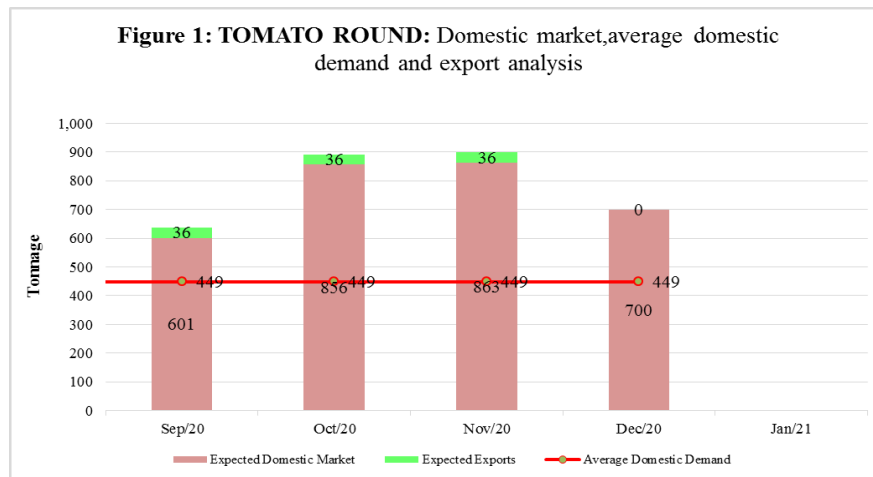
Table 3 below revealed that, the total tonnage expected for tomatoes jam /round, and carrots will be sufficient to meet the domestic demand during the reporting period. Whereas, green pepper and pumpkins local supply will be insufficient to meet the domestic usage. This suggests that, the borders will be open for importation of these products to supplement the local production, see the details information on surplus and shortage in table 3 below.

Table 3: EXPECTED PRODUCTION VERSUS DOMESTIC DEMAND ANALYSIS							
		Numbers in this table represents tonnage					
Crops	Expected Surplus or Shortage	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	TOTAL
Tomato Round	Expected for domestic market	478	601	856	863	700	3,497
	Average domestic demand	449	449	449	449	449	2,243
	Surplus / shortage	29	152	407	414	252	1,254
Tomato Jam	Expected for domestic market	205	296	328	300	117	1,246
	Average domestic demand	164	164	164	164	164	820
	Surplus / shortage	41	132	164	136	-47	426
Carrot	Expected for domestic market	605	776	817	689	664	3,550
	Average domestic demand	472	472	472	472	472	2,361
	Surplus / shortage	132	304	344	217	192	1,189
Green Pepper	Expected for domestic market	40	144	245	283	251	964
	Average domestic demand	212	212	212	212	212	1,061
	Surplus / shortage	-172	-68	33	71	39	-97
Pumpkin	Expected for domestic market	27	12	166	207	265	677
	Average domestic demand	42	42	42	42	42	212
	Surplus / shortage	-15	-30	124	165	222	465
Spinach	Expected for domestic market	18	25	26	25	23	118
	Average domestic demand	39	39	39	39	39	195
	Surplus / shortage	-21	-14	-13	-14	-16	-77
Sweet corn	Expected for domestic market	30	30	56	209	209	534
	Average domestic demand	116	116	116	116	116	580
	Surplus / shortage	-86	-86	-60	93	93	-46
Mushroom	Expected for domestic market	8	8	8	8	8	40
	Average domestic demand	49	49	49	49	49	245
	Surplus / shortage	-41	-41	-41	-41	-41	-205

Source: NAB, 2020

4.2 GRAPHICAL ANALYSIS

Figures 1 to 8 below indicate the Domestic market, average domestic demand and export analysis and this shows that we will have sufficient supply of Jam and Round Tomatoes as well as Carrots.



Graphical analysis continues.

Figure 5: PUMPKIN: Domestic market, average domestic demand and export analysis

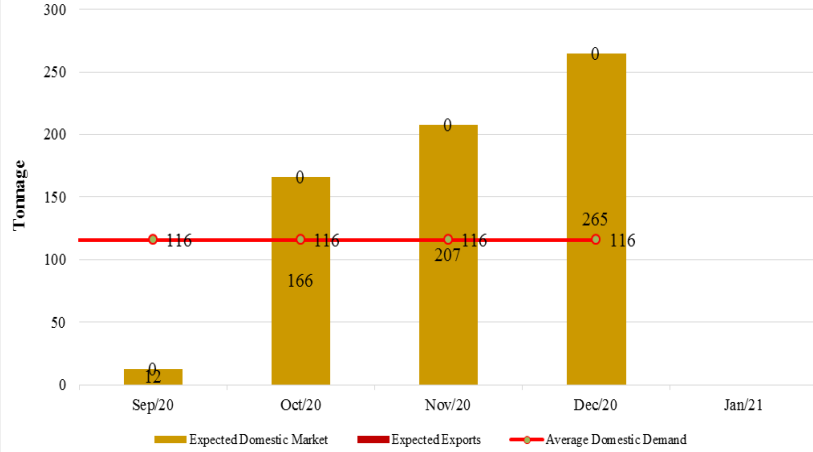


Figure 6: SPINACH: Domestic market, average domestic demand and export analysis

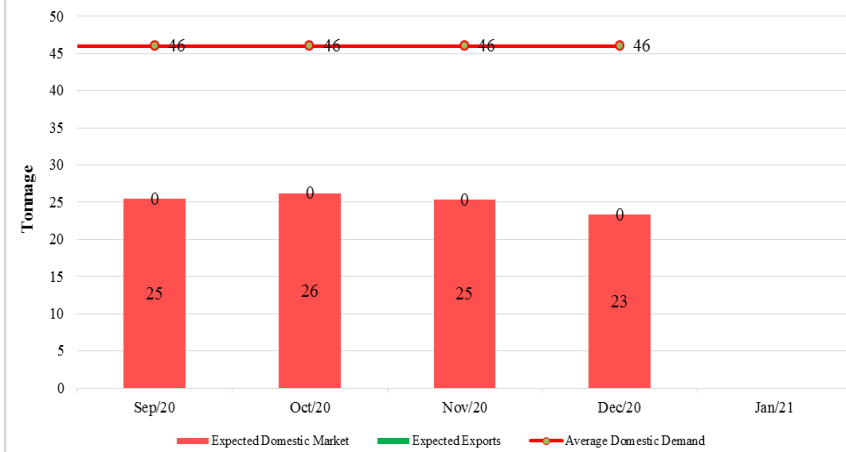


Figure 7: SWEET CORN: Domestic market, average domestic demand and export analysis

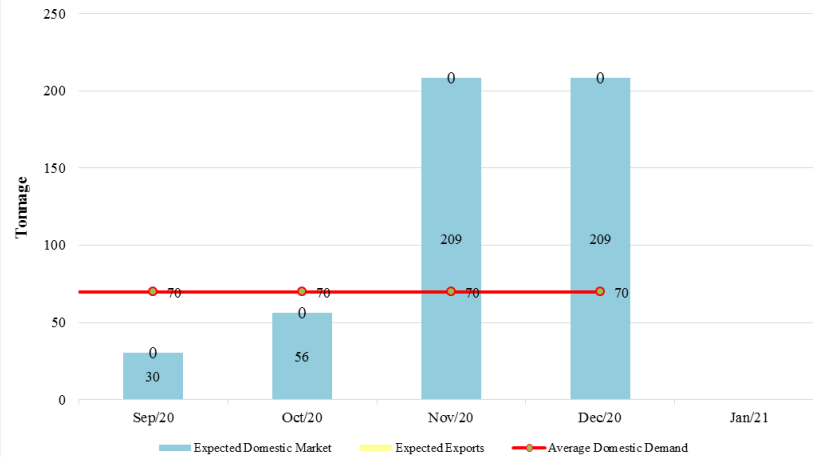
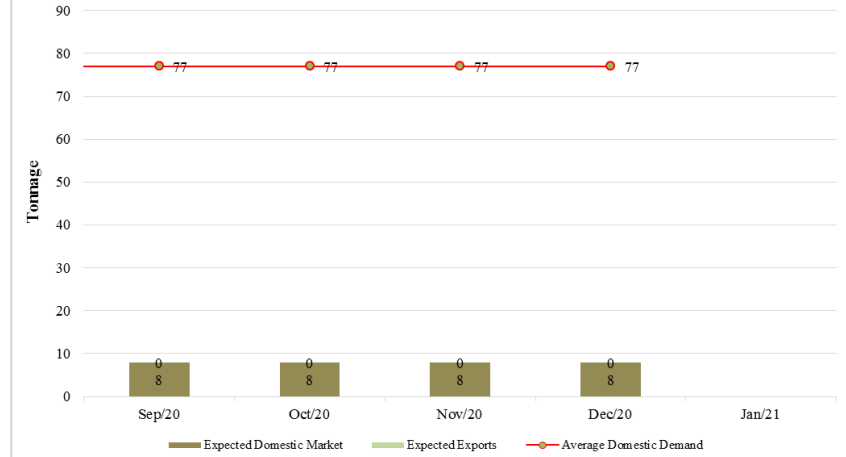


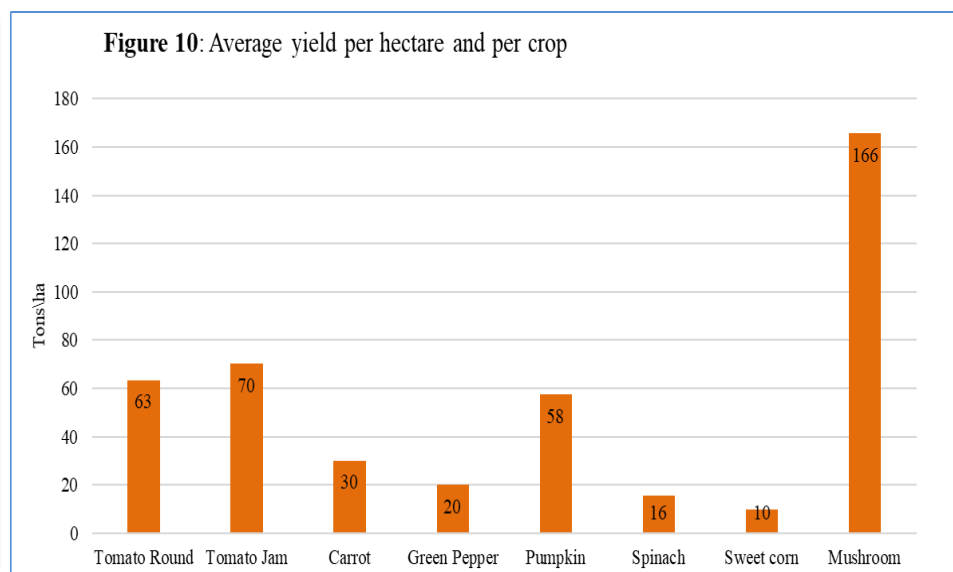
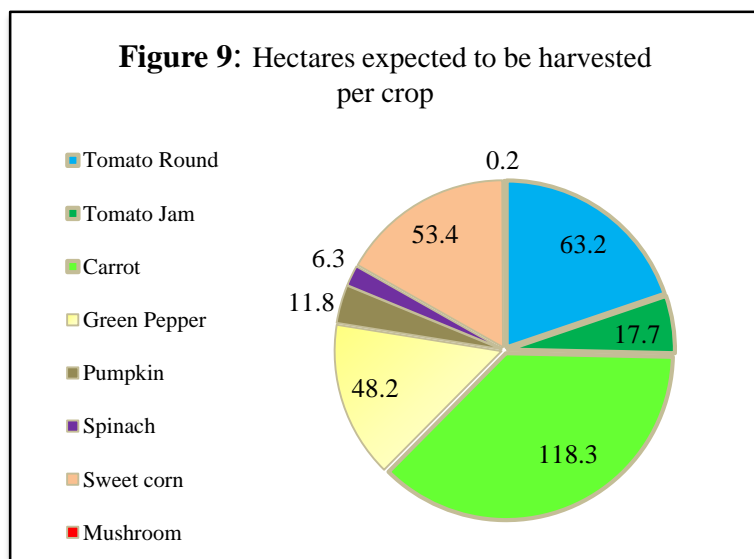
Figure 8: MUSHROOM: Domestic market, average domestic demand and export analysis



Source: NAB, 2020

5. HECTARES PLANTED AND EXPECTED YIELD PER HECTARE

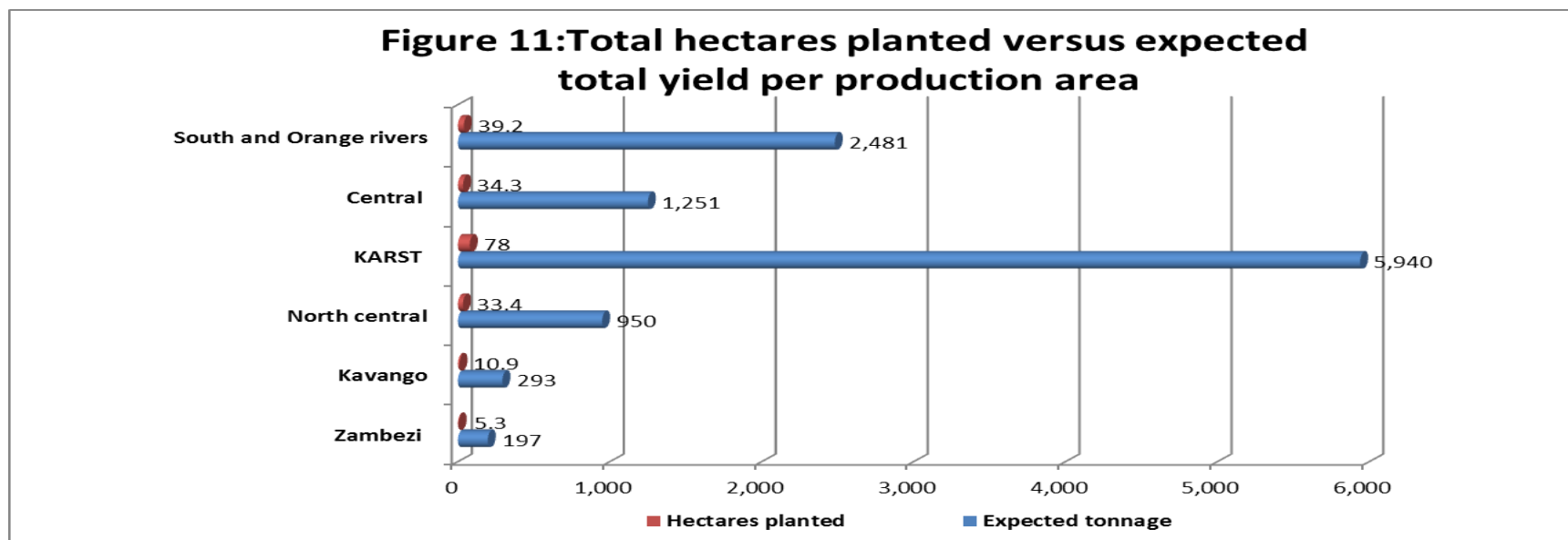
It is evident in figure 9 that, the highest hectares planted during the forecasted period will be for carrots (118.3ha), followed by tomatoes round (63.2 ha) with Mushroom having smallest area planted (0.2ha). This could be attributed by only one producer of mushroom in the country, and also mushroom can be grown in a small piece of land, yet high yield can be achieved (see figure 10).



Source: NAB,2020

5. HECTARERS PLANTED AND EXPECTED YIELD PER PRODUCTION ARE

Figure 11 Shows that, KARST area has the highest number of hectares planted, and expected the highest tonnages in comparison to other production area during the forecasted period, with Zambezi area having the lowest hectares planted and expected tonnages in total. This suggest that, there is scope for vegetable production in Zambezi region.



Source: NAB, 2020

Overall, the report revealed that there will be sufficient local supply for Round/Jam tomatoes and carrots during the reporting period (01-30 September 2020). Whereas, Green Peppers, Tomatoes and Pumpkins will be insufficient to meet domestic use for the next two months. In addition, a shortage in local supply will be expected for the three monitored crops and this include Spinach, and Mushrooms and Sweetcorn during the entire forecasted period. These crops are monitored for possible additions to the list of controlled horticultural crops, hence producers are encouraged to upscale the production of these crops and ensure the domestic use is met.

[illegible]