



Colour Pepper



Tomato Round



Tomato Jam



Carrot



Green Pepper



Spinach



Sweetcorn



HORTICULTURE: VEGETABLES PRODUCTION FORECAST

REPORT NO.2

FORECASTED PERIOD:

01 MAY 2021 TO 30 SEPTEMBER 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 five special controlled products i.e. **Tomato (Round & Jam), Green Pepper, Coloured Pepper, Carrot and Sweetcorn** as well as the one monitored crops i.e. **Spinach**. 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 into 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 1). 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 1: 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. Colour Pepper	All Types, grades, size groups and container sizes of Fresh, chilled, whole or cut Colour Bell Pepper (Red and Yellow) Single line or Robot Peppers except the exclusion	All Orange, Brown, Black, Purple and White Bell fresh Peppers, Chilled, whole or Cut. All frozen, dried, cooked and preserved colour bell peppers
4. 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.
5. Sweetcorn	All types, size groups and container size of fresh/ chilled and whole or cut Red Fleshed and Yellow Fleshed except the “Exclusions”	White and Mixed Colour Sweetcorn. All Frozen, dried, cooked and preserved. Sweetcorn (Whole or Cut) of any colour.

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 2: revealed that, Tomato Round, Carrot and Green Pepper are the top commodities with high-expected tonnages during the reporting period. Detailed information for expected production per crop per production zone are shown in Table 2 below.

Table 2A: EXPECTED PRODUCTION OF SPECIAL CONTROLLED PRODUCTS PER CROP PER AREA															
PRODUCTION AREA	CROP	Numbers in the table below represents tonnage												Totals	
		01-15 May 21		16-31 May 21		Jun-21		Jul-21		Aug-21		Sep-21		Expected tonnage	Hectares planted
		Local	Export	Local	Export	Local	Export	Local	Export	Local	Export	Local	Export		
ZAMBEZI	Tomato Round	1.2	0.0	7.3	0.0	17.2	0.0	6.4	0.0	0.6	0.0	0.0	0.0	32.8	1.0
	Tomato Jam	1.6	0.0	1.6	0.0	5.5	0.0	6.5	0.0	1.6	0.0	0.3	0.0	17.1	0.5
	Carrot	0.1	0.0	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	0.0	2.6	0.1
	Green Pepper	0.5	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.2
	Coloured 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
	Sweetcorn	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
KAVANGO	Tomato Round	6.3	0.0	6.3	0.0	27.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.1	1.2
	Tomato Jam	9.7	0.0	7.0	0.0	17.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	34.1	1.2
	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	0.4	0.0	1.7	0.0	3.3	0.0	0.8	0.0	0.0	0.0	0.0	0.0	6.1	0.4
	Coloured 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
	Sweet Corn	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Tomato Jam	41.7	0.0	43.5	0.0	26.3	0.0	18.0	0.0	0.0	0.0	0.0	0.0	129.5	5.6
	Carrot	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.1
	Green Pepper	7.5	0.0	7.5	0.0	10.8	0.0	10.7	0.0	10.7	0.0	8.3	0.0	55.5	3.4
	Coloured 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
	Sweetcorn	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1

Table 2 continued

Source: NAB, 2021
























































































KARST	Tomato Round	20.0	0.0	25.0	0.0	58.3	0.0	53.3	0.0	20.0	0.0	0.0	0.0	176.7	5.5
	Tomato Jam	7.0	0.0	16.3	0.0	64.5	0.0	35.4	0.0	11.3	0.0	45.0	0.0	179.5	5.5
	Carrot	48.0	0.0	58.0	0.0	346.0	0.0	346.0	0.0	346.0	0.0	286.0	0.0	1430.0	35.3
	Green Pepper	17.5	0.0	20.9	0.0	42.2	0.0	42.2	0.0	20.8	0.0	2.0	0.0	145.6	6.1
	Coloured 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
	Sweetcorn	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
CENTRAL	Tomato Round	40.4	0.0	40.6	0.0	63.0	0.0	39.0	0.0	30.4	0.0	10.0	0.0	223.4	9.2
	Tomato Jam	12.4	0.0	12.4	0.0	9.8	0.0	9.8	0.0	3.5	0.0	0.0	0.0	47.9	2.1
	Carrot	9.2	0.0	37.8	0.0	81.0	0.0	33.0	0.0	53.0	0.0	33.0	0.0	247.0	7.5
	Green Pepper	19.0	0.0	19.0	0.0	13.9	0.0	1.5	0.0	1.5	0.0	0.0	0.0	54.8	4.3
	Coloured Pepper	20.6	0.0	20.6	0.0	28.3	0.0	15.0	0.0	0.0	0.0	0.0	0.0	84.6	5.1
	Sweetcorn	7.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.0	2.0
SOUTH AND ORANGE RIVER	Tomato Round	145.0	11.5	170.5	150.1	654.8	341.6	652.6	341.6	904.6	0.0	905.9	0.0	3433.3	109.7
	Tomato Jam	0.7	0.0	0.7	0.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.1
	Carrot	0.0	0.0	15.0	0.0	6.0	0.0	12.0	0.0	0.0	0.0	0.0	0.0	33.0	1.0
	Green Pepper	76.8	0.0	76.8	0.0	198.4	0.0	174.7	0.0	55.0	0.0	50.0	0.0	631.7	31.4
	Coloured 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
	Sweetcorn	5.0	0.0	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.4	1.2
Total expected per crop per month	Tomato Round	212.9	11.5	249.7	150.1	820.9	341.6	751.3	341.6	955.6	0.0	915.9	0.0	3906.3	126.6
	Tomato Jam	73.0	0.0	81.6	0.0	125.0	0.0	69.7	0.0	16.3	0.0	45.3	0.0	410.9	14.9
	Carrot	57.3	0.0	110.8	0.0	434.4	0.0	393.5	0.0	399.0	0.0	319.0	0.0	1714.1	44.0
	Green Pepper	121.7	0.0	126.3	0.0	268.5	0.0	229.9	0.0	88.1	0.0	60.3	0.0	894.7	45.8
	Coloured Pepper	20.6	0.0	20.6	0.0	28.3	0.0	15.0	0.0	0.0	0.0	0.0	0.0	84.6	5.1
	Sweetcorn	12.0	0.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.5	3.30

Table 2 continued

Table 2B: EXPECTED PRODUCTION OF MONITORED PRODUCTS PER CROP PER AREA													
PRODUCTION AREA	CROP											Totals	
		May-21		Jun-21		Jul-21		Aug-21		Sep-21		Expected tonnage	Hectares planted
		Local	Export	Local	Export	Local	Export	Local	Export	Local	Export		
ZAMBEZI	Spinach	0.2		0.2		0.0		0.0		0.0		0.4	0.1
KAVANGO	Spinach	0.3		0.3		0.0		0.0		0.0		0.5	0.1
NORTH CENTRAL	Spinach	1.0		1.0		1.0		1.0		1.0		5.0	1.2
KARST	Spinach	0.1		0.3		0.3		0.3		0.3		1.2	0.2
CENTRAL	Spinach	16.6		16.3		3.5		2.7		2.2		41.2	4.5
SOUTH AND ORANGE RIVER	Spinach	0.7		0.7		0.7		0.0		0.0		2.0	0.2
Total expected tonnage per crop per month	Spinach	18.8	0.0	18.7	0.0	5.4	0.0	3.9	0.0	3.4	0.0	50.3	6.2

3. EXPECTED AVAILABILITY

Table 3, below indicate active producers that expect to harvest the special controlled products as well as monitored products listed below. It is worth noting that even though Sweetcorn is a Special Controlled product, there are very few farmers that produce this specific crop. Indicating a need for farmers, to diversify into Sweetcorn production and Colour Pepper. Refer to table 3 below for more details.

TABLE 3A : EXPECTED AVAILABILITY OF SPECIAL CONTROLLED PRODUCTS																																			
KEYS: Tomato Round =  Tomato Jam =  Carrot =  Green Pepper =  Coloured Pepper =  Sweetcorn = 																																			
ZAMBEZI AREA																																			
SN	Name Of Producer	Local	Export	01 to 15 May 2021						16 to 31 May 2021						Jun-21					Jul-21					Aug-21					Sep-21				
				Tomato Round	Tomato Jam	Carrot	Green pepper	Coloured pepper	Sweet Corn	Tomato Round	Tomato Jam	Carrot	Green Pepper	Coloured pepper	Sweet Corn	Tomato Round	Tomato Jam	Carrot	Green pepper	Coloured pepper	Sweet Corn	Tomato Round	Tomato Jam	Carrot	Green Pepper	Coloured pepper	Sweet Corn	Tomato Round	Tomato Jam	Carrot	Green pepper	Coloured pepper	Sweet Corn		
1	Mulemwa Goaisis	√																																	
2	Peggy Muhuluma	√																																	
3	Cavin Sikalumba	√																																	
4	Clemens Makumbi	√																																	
5	Lima Farms & Agric Services cc	√																																	
6	Jerome Lubanda	√																																	
7	Jonathan Kamwi	√																																	
8	Vasco Samwaka	√																																	
9	Bertha Maswahu	√																																	
10	Bernard Sitali	√																																	
11	Clement Mulyokela	√																																	
12	Kamwi Lubanda	√																																	
KAVANGO AREA																																			
1	Anton Mberema	√																																	
2	Blandine M Nangombe	√																																	
3	Raphael Kampanze	√																																	
4	Lukas Mandema	√																																	
5	Augustinus Poroto	√																																	
6	Hendrick Locke	√																																	

NORTH CENTRAL AREA																									
1	Lonia & Abraham Ismael	√																							
2	Heburtus Keriner	√																							
3	Eugene Eugene	√																							
4	Paulus Amutenya	√																							
5	Innocens Kalola	√																							
6	Wilhelmina Heita	√																							
7	Emillie Naunyango	√																							
8	Silvanus Naunyango	√																							
9	Ndasilohenda Nakashwa	√																							
10	Andreas Ashimbanga	√																							
11	Shetuka Shetuka	√																							
12	Patrisius Ndidalelwa	√																							
13	Erastus Mumbala	√																							
14	Philipp Zocks lipinge	√																							
15	Webster Lichaha	√																							
KARST AREA																									
1	Theopauline Ruitter	√																							
2	Ndelitungapo Ndaitwah	√																							
3	Pendafule Hellao	√																							
4	Fanuel Uugwanga	√																							
5	Peter T Erasmus	√																							
6	Olavi Hamutumwa	√																							
7	W.Shali	√																							
8	Fillemon Gabriel	√																							
9	Fredrik Haixwa	√																							
10	R. Kukuri	√																							
11	Chris Angels	√																							
12	Jan Cronje	√																							
13	Magano Kapia	√																							
14	Elizabeth Nekundi	√																							
15	Mark Von Maltzahl	√																							
16	Louis Smit	√																							

Table 3 continued

























































TABLE 3B : EXPECTED AVAILABILITY OF MONITORED CROP								
KEYS: Spinach = 								
ZAMBEZI AREA								
				May-21	Jun-21	Jul-21	Aug-21	Sep-21
SN	Name Of Producer	Local	Export	Spinach	Spinach	Spinach	Spinach	Spinach
1	Fernando Batista	√						
KAVANGO AREA								
1	Blandine M Nangombe	√						
NORTH CENTRAL AREA								
1	Willem Ankama	√						
2	Johanna Benjamin	√						
KARST AREA								
1	Elizabeth Nekundi	√						
2	W. Shali	√						

Table 3 continued

CENTRAL AREA								
1	Grunnar Waldschmidt	√						
2	Anton Koekmoer	√						
3	David Gawaseb	√						
4	Danie Marais	√						
5	Erenfriede Mbaha	√						
6	Honest Riandro	√						
7	Wylie V Upi	√						
8	Mendes Chico	√						
9	Welme Myburen	√						
10	Dirk Wobbling	√						
SOUTH AND ORANGE RIVER AREA								
1	Theresia Kisting	√						

4.

EXPECTED PRODUCTION VS DEMAND ANNALYSIS

4.1 TABULATION ANALYSIS

Table 4: Below indicates expected production versus the average domestic demand per crop per month

The total tonnage expected for Green Pepper are expected to be Sufficient in the entire permit period of May 2021. Whereas Tomato Round, will be in short supply, during the first half of the period of May 2021.

Table 4A: EXPECTED PRODUCTION VERSUS DOMESTIC DEMAND ANALYSIS FOR SPECIAL CONTROLLED PRODUCTS								
		Numbers in this table represents Tonnage						
Crop	Expected Shortage or Surplus	01-15 May 21	16-31 May 21	Jun-21	Jul-21	Aug-21	Sep-21	TOTAL
Tomato Round	Expected for Domestic Market	212.907	249.704	820.925	751.271	955.565	915.9	3906.27
	Average Domestic Demand	224.5	224.5	449	449	449	449	2245.00
	Surplus /Shortage	-11.593	25.204	371.925	302.271	506.565	466.9	1661.27
Tomato Jam	Expected for Domestic Market	73.041	81.589	124.96	69.672	16.318	45.274	410.85
	Average Domestic Demand	82	82	164	164	164	164	820.00
	Surplus /Shortage	-8.959	-0.411	-39.04	-94.328	-147.682	-118.726	-409.15
Carrot	Expected for Domestic Market	57.31	110.84	434.4	393.5	399	319	1714.05
	Average Domestic Demand	236	236	472	472	472	472	2360.00
	Surplus /Shortage	-178.69	-125.16	-37.6	-78.5	-73	-153	-645.95
Green Pepper	Expected for Domestic Market	121.675	126.255	268.52	229.87	88.05	60.28	894.65
	Average Domestic Demand	106	106	212	212	212	212	1060.00
	Surplus /Shortage	15.675	20.255	56.52	17.87	-123.95	-151.72	-165.35
Colour Pepper	Expected for Domestic Market	20.61	20.61	28.34	15	0	0	84.56
	Average Domestic Demand	49.8	49.8	99.6	99.6	99.6	99.6	498.00
	Surplus /Shortage	-29.19	-29.19	-71.26	-84.6	-99.6	-99.6	-413.44
Sweetcorn	Expected for Domestic Market	12.01	12.47	0	0	0	0	24.47
	Average Domestic Demand	35	35	70	70	70	70	350.00
	Surplus /Shortage	-23.00	-22.54	-70	-70	-70	-70	-325.53

Table 4 continued

Table 4B: EXPECTED PRODUCTION OF MONITORED PRODUCTS VERSUS DOMESTIC DEMAND ANALYSIS							
		Numbers in this table represents Tonnage					
Crop	Expected Shortage or Surplus	May-21	Jun-21	Jul-21	Aug-21	Sep-21	TOTAL
Spinach	Expected for Domestic Market	18.8	18.7	5.4	3.9	3.4	50.33
	Average Domestic Demand	46.0	46.0	46.0	46.0	46.0	230.00
	Surplus / Shortage	-27.2	-27.3	-40.6	-42.1	-42.6	-179.67

4.2 GRAPHICAL ANALYSIS

Figures 1- 7: Below indicate the Domestic market, average domestic demand and export analysis and this shows that we will have insufficient supply of Tomato Jam, Carrots, Colour Pepper and Sweetcorn in May 2021.

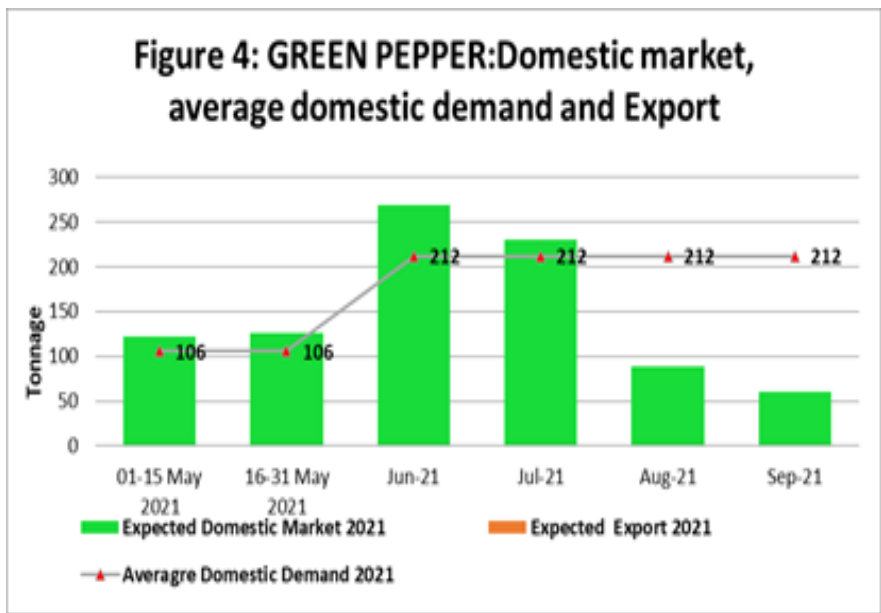
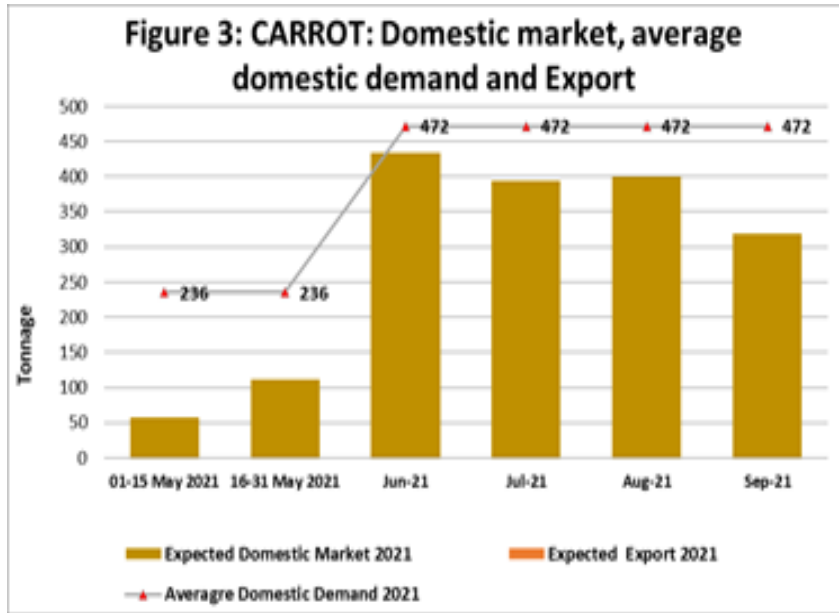
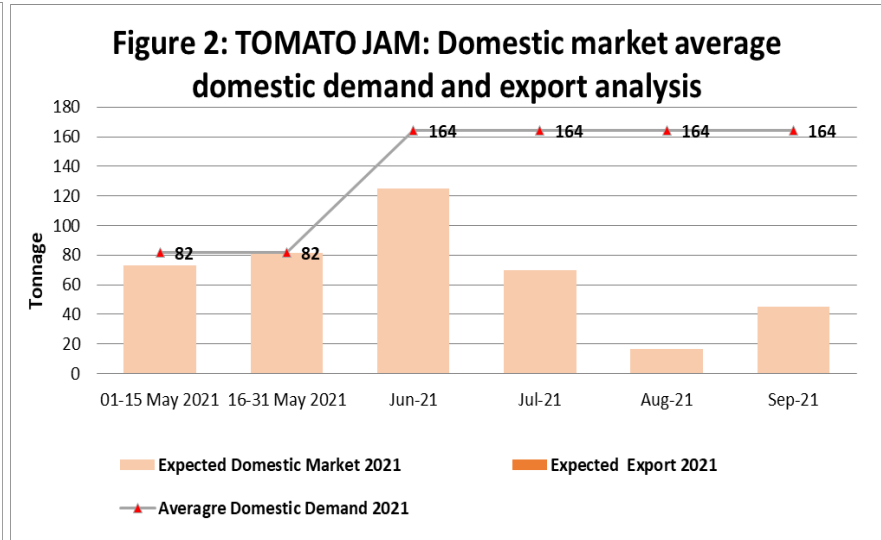
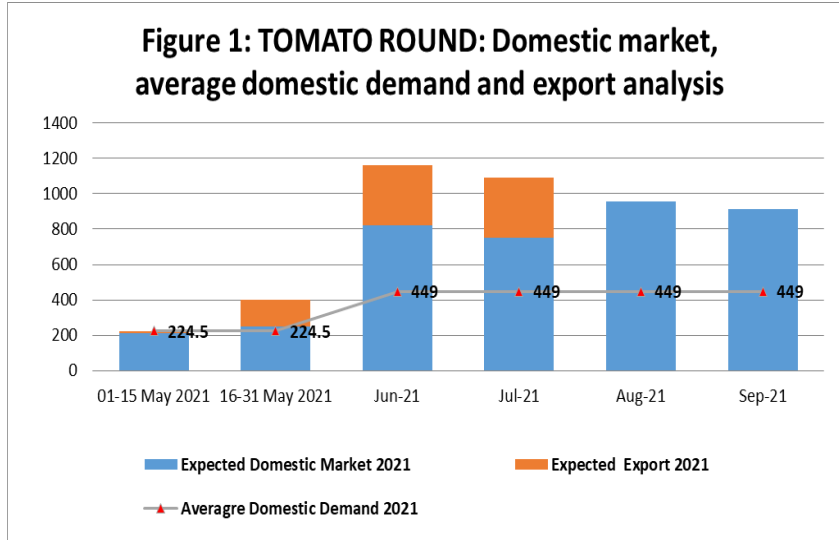


Figure 5: SWEETCORN :Domestic market, average domestic demand and export

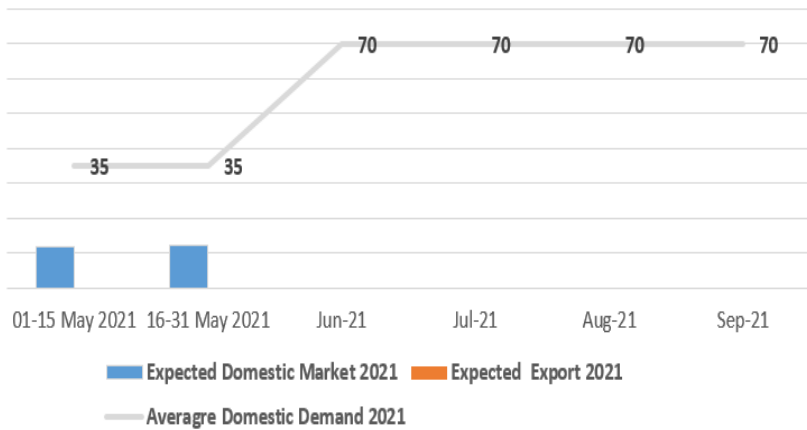


Figure 6: COLOUR PEPPER :Demestic market,average domsetic demand and export

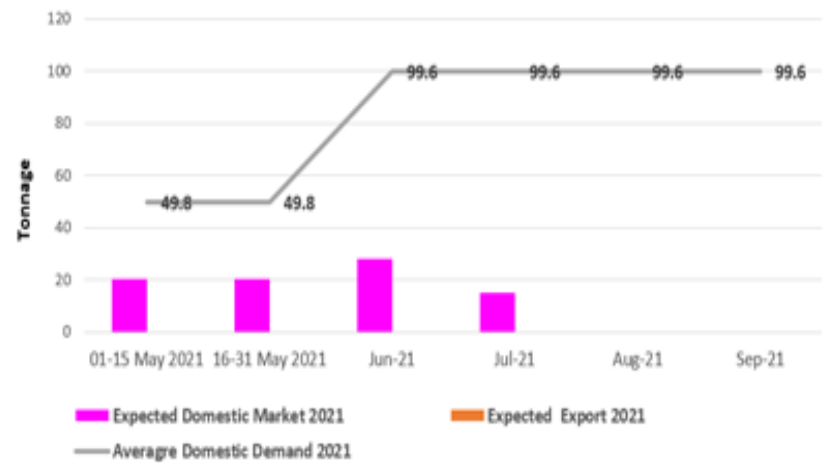


Figure 7 : SPINACH: Demostic market, average domestic demand and export

