



Colour Pepper



Tomato Round



Tomato Jam



Carrot



Green Pepper



Spinach



Sweetcorn



---

## HORTICULTURE: VEGETABLES PRODUCTION FORECAST

### REPORT NO.2

---

#### FORECASTED PERIOD:

01 AUGUST 2021 TO 31 DECEMBER 2021

**Agronomy and Horticulture Market Development  
Division**

**Horticulture Market Development Subdivision**

**Enquiries:** Mr. Patrick Lubanda

Cell: +264 81 289 5454

Email: [Patrick.Lubanda@nab.com.na](mailto:Patrick.Lubanda@nab.com.na)

# 1. INTRODUCTION

**Report no. 2**, covers the local production forecast for the five special controlled products i.e. **Tomato (Round & Jam), Green Pepper, Colour Pepper, Carrot and Sweetcorn** as well as the one monitored crop 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.

<b>Special controlled product</b>	<b>INCLUSIONS</b> (Not allowed to be imported, only during open border period)	<b>EXCLUSIONS</b> (Allowed to be imported with no restrictions)
<b>1. Tomato</b>	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.
<b>2. Green Pepper</b>	All size groups and container size of Green Pepper, except the “Exclusions”.	All Orange, Brown, Black, Purple and White Bell fresh Peppers, Chilled, whole or Cut. All frozen, dried, cooked and preserved colour bell peppers
<b>3. Colour Pepper</b>	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
<b>4. Carrot</b>	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.

<b>5. Sweetcorn</b>	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.
---------------------	---	--

NAB,2021

**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:** In terms of production volume per crop, tomato Round, Carrot and Green/colored Pepper are the top commodities with high-expected tonnages during the forecasted period. Whereas, sweetcorn production volume is expected to be low. Find detailed information for expected production volume, per crop per production zone 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 Aug 21		16-31 Aug 21		Sep-21		Oct-21		Nov-21		Dec-21		Expected tonnage	Hectares planted
		Local	Export	Local	Export	Local	Export	Local	Export	Local	Export	Local	Export		
ZAMBEZI	Tomato Round	26.7	0.0	21.3	0.0	13.9	0.0	11.8	0.0	0.0	0.0	0.0	0.0	73.7	3.4
	Tomato Jam	2.2	0.0	1.7	0.0	2.2	0.0	0.8	0.0	0.0	0.0	0.0	0.0	6.9	0.2
	Carrot	1.2	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	0.2
	Green Pepper	0.9	0.0	1.4	0.0	2.6	0.0	2.5	0.0	2.2	0.0	2.1	0.0	11.6	0.7
	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	0.6	0.0	1.1	0.0	1.0	0.0	1.7	0.0	1.7	0.0	0.0	0.0	6.2	0.2
	Tomato Jam	4.1	0.0	3.8	0.0	1.1	0.0	0.3	0.0	0.0	0.0	0.0	0.0	9.2	0.5
	Carrot	0.1	0.0	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.2
	Green Pepper	0.8	0.0	1.8	0.0	4.7	0.0	4.8	0.0	3.4	0.0	0.1	0.0	15.6	0.8
	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	7.2	0.0	7.2	0.0	7.2	0.0	16.0	0.0	8.0	0.0	0.0	0.0	45.6	1.4
	Tomato Jam	33.6	0.0	65.3	0.0	135.7	0.0	88.4	0.0	22.2	0.0	5.0	0.0	350.2	14.0
	Carrot	4.0	0.0	4.0	0.0	2.4	0.0	7.3	0.0	0.0	0.0	0.0	0.0	17.6	2.7
	Green Pepper	2.5	0.0	2.6	0.0	5.5	0.0	3.4	0.0	2.6	0.0	1.1	0.0	17.7	1.6
	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	1.8	0.0	1.8	0.0	0.0	0.0	0.0	0.0	3.5	0.5

*Table 2 continued..*

KARST	Tomato Round	16.5	0.0	16.5	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43.0	1.4
	Tomato Jam	21.6	0.0	18.8	0.0	26.3	0.0	5.3	0.0	10.7	0.0	0.0	0.0	82.6	3.0
	Carrot	200.0	0.0	332.0	0.0	420.0	0.0	46.6	0.0	0.0	0.0	0.0	0.0	998.6	23.0
	Green Pepper	3.3	0.0	2.0	0.0	7.3	0.0	5.3	0.0	5.3	0.0	0.0	0.0	23.3	1.0
	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	2.0	0.0	4.0	0.0	10.0	0.0	4.0	0.0	4.0	0.0	4.0	0.0	28.0	2.0
CENTRAL	Tomato Round	40.9	0.0	40.9	0.0	44.2	0.0	42.5	0.0	3.3	0.0	3.3	0.0	175.3	7.8
	Tomato Jam	0.3	0.0	0.3	0.0	5.1	0.0	4.5	0.0	4.5	0.0	4.5	0.0	19.2	0.8
	Carrot	16.5	0.0	16.5	0.0	3.0	0.0	43.0	0.0	3.0	0.0	3.0	0.0	85.0	2.5
	Green Pepper	33.3	0.0	33.3	0.0	65.0	0.0	53.2	0.0	36.2	0.0	35.0	0.0	255.9	8.7
	Coloured Pepper	16.0	15.5	16.0	15.5	34.0	31.0	34.0	31.0	34.0	31.0	34.0	31.0	168.0	10.0
	Sweetcorn	2.5	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.5
SOUTH AND ORANGE RIVER	Tomato Round	386.5	345.0	413.2	410.0	1128.5	769.0	1128.5	769.0	1128.5	0.0	640.0	0.0	4825.4	134.4
	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	27.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.0	0.9
	Green Pepper	205.5	0.0	205.5	0.0	261.3	0.0	261.3	0.0	0.3	0.0	0.0	0.0	933.9	26.0
	Coloured Pepper	120.0	72.0	120.0	72.0	192.0	112.0	48.0	32.0	0.0	0.0	0.0	0.0	480.0	28.0
	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
Total expected per crop per month	Tomato Round	478.4	345.0	500.3	410.0	1205.0	769.0	1200.6	769.0	1141.6	0.0	643.3	0.0	5169.2	148.6
	Tomato Jam	61.9	0.0	89.8	0.0	170.3	0.0	99.2	0.0	37.4	0.0	9.5	0.0	468.1	18.4
	Carrot	221.8	0.0	355.6	0.0	452.4	0.0	96.9	0.0	3.0	0.0	3.0	0.0	1132.6	29.4
	Green Pepper	246.3	0.0	246.6	0.0	346.5	0.0	330.4	0.0	50.0	0.0	38.3	0.0	1258.1	38.9
	Coloured Pepper	136.0	87.5	136.0	87.5	226.0	143.0	82.0	63.0	34.0	31.0	34.0	31.0	648.0	38.0
	Sweetcorn	4.5	0.0	6.5	0.0	11.8	0.0	5.8	0.0	4.0	0.0	4.0	0.0	36.5	3.00

Source: NAB, 2021

Table 2B: EXPECTED PRODUCTION OF MONITORED PRODUCTS PER CROP PER AREA													
PRODUCTION AREA	CROP	Aug-21		Sep-21		Oct-21		Nov-21		Dec-21		Totals	
		Local	Export	Local	Export	Local	Export	Local	Export	Local	Export	Expected tonnage	Hectares planted
		ZAMBEZI	Spinach	0.0		0.0		0.0		0.0		0.0	
KAVANGO	Spinach	0.8		0.3		0.5		0.5		0.0		2.0	0.4
NORTH CENTRAL	Spinach	0.0		0.0		0.0		0.0		0.0		0.0	0.0
KARST	Spinach	0.9		0.9		0.0		0.0		0.0		1.8	0.3
CENTRAL	Spinach	33.2		32.7		22.5		15.0		15.0		118.3	8.4
SOUTH AND ORANGE RIVER	Spinach	0.0		0.0		0.0		0.0		0.0		0.0	0.0
<b>Total expected tonnage per crop per month</b>	<b>Spinach</b>	<b>34.9</b>	<b>0.0</b>	<b>33.9</b>	<b>0.0</b>	<b>23.0</b>	<b>0.0</b>	<b>15.5</b>	<b>0.0</b>	<b>15.0</b>	<b>0.0</b>	<b>122.2</b>	<b>9.1</b>

Source: NAB, 2021

### 3. EXPECTED AVAILABILITY

Table 3, below indicate active producers that expect to harvest the special controlled products as well as monitored product as given below. It is worth noting that even though Sweetcorn is a Special Controlled product, there are only three farmers that produce this specific crop for the forecasted permit period, indicating a need for diversification into this product line. 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 Aug 2021					16 to 31 Aug 2021					Sep-21					Oct-21					Nov-21					Dec-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	Elina Kalundu	√																															
3	Benedict Musiyalike	√																															
4	Nanvula Lilungwe	√																															
5	Martin Mutonga	√																															
6	Agness Matongo	√																															
7	Raphael Simataa	√																															
8	Lucious Chataa	√																															
9	Moddest Kakula	√																															
10	James Walubita	√																															
11	Clement Simasiku	√																															
12	Ilunga Mahongo Kennedy	√																															
13	George Nalisa	√																															
14	Sihela Vivian	√																															
15	Regina Mayumbelo	√																															
16	Simasiku Songah	√																															
17	Rosco Misika Lukubwe	√																															
18	Mutelo Rector	√																															
19	Molly M. Mulife	√																															
20	Hans Matiti	√																															
21	Cavin Sikalumba	√																															
22	Clemens Makumbi	√																															
23	Lima Farms & Agric Services cc	√																															
24	Jerome Lubanda	√																															
25	Jonathan Kamwi	√																															

Table 3 continued..

































<b>TABLE 3B : EXPECTED AVAILABILITY OF MONITORED CROP</b>								
<b>KEYS:</b> Spinach = 								

<b>KAVANGO AREA</b>								
1	Ignatius Hamupembe	√						
2	Wilhelm Ndungulo	√						
3	Augustinus Poroto	√						
<b>NORTH CENTRAL AREA</b>								
1	Alpeus Angula	√						
<b>CENTRAL AREA</b>								
1	Anton Koekmoer	√						
2	David Gawaseb	√						
3	Danie Marais	√						
4	Mushena Roy	√						
5	Mendes Chico	√						
6	Welme Myburen	√						

Source: NAB, 2021

#### 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 Tomato Round, Colour and Green Pepper are expected to be Sufficient in the entire permit period of 01 to 31 August 2021. Whereas Tomato Jam and Carrot will be in insufficient in the first two Weeks of August 2021 and Sweetcorn will be in short supply throughout the whole forecasted period of 01 August 2021 to 31 December 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 Aug 21	16-31 Aug 21	Sep-21	Oct-21	Nov-21	Dec-21	TOTAL
Tomato Round	Expected for Domestic Market	478.4	500.3	1205.0	1200.6	1141.6	643.3	5169.2
	Average Domestic Demand	224.5	224.5	449.0	449.0	449.0	449.0	2245.0
	Surplus /Shortage	253.9	275.8	756.0	751.6	692.6	194.3	2924.2
Tomato Jam	Expected for Domestic Market	61.9	89.8	170.3	99.2	37.4	9.5	468.1
	Average Domestic Demand	82.0	82.0	164.0	164.0	164.0	164.0	820.0
	Surplus /Shortage	-20.1	7.8	6.3	-64.8	-126.6	-154.5	-351.9
Carrot	Expected for Domestic Market	221.8	355.6	452.4	96.9	3.0	3.0	1132.6
	Average Domestic Demand	236.0	236.0	472.0	472.0	472.0	472.0	2360.0
	Surplus /Shortage	-14.2	119.6	-19.7	-375.2	-469.0	-469.0	-1227.4
Green Pepper	Expected for Domestic Market	246.3	246.6	346.5	330.4	50.0	38.3	1258.1
	Average Domestic Demand	106.0	106.0	212.0	212.0	212.0	212.0	1060.0
	Surplus /Shortage	140.3	140.6	134.5	118.4	-162.0	-173.7	198.1
Colour Pepper	Expected for Domestic Market	136.0	136.0	226.0	82.0	34.0	34.0	648.0
	Average Domestic Demand	49.8	49.8	99.6	99.6	99.6	99.6	498.0
	Surplus /Shortage	86.2	86.2	126.4	-17.6	-65.6	-65.6	150.0
Sweetcorn	Expected for Domestic Market	4.5	6.5	11.8	5.8	4.0	4.0	36.5
	Average Domestic Demand	35.0	35.0	70.0	70.0	70.0	70.0	350.0
	Surplus /Shortage	-30.5	-28.5	-58.3	-64.3	-66.0	-66.0	-313.5

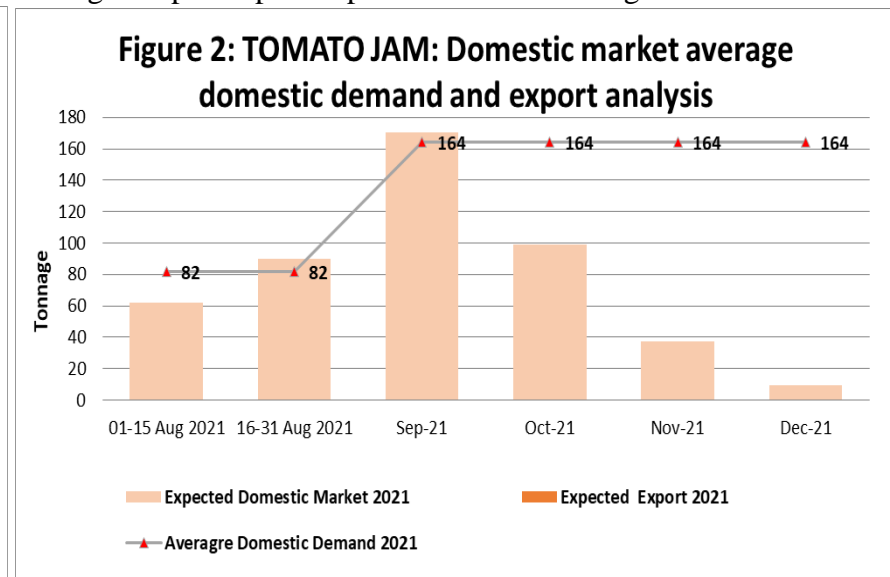
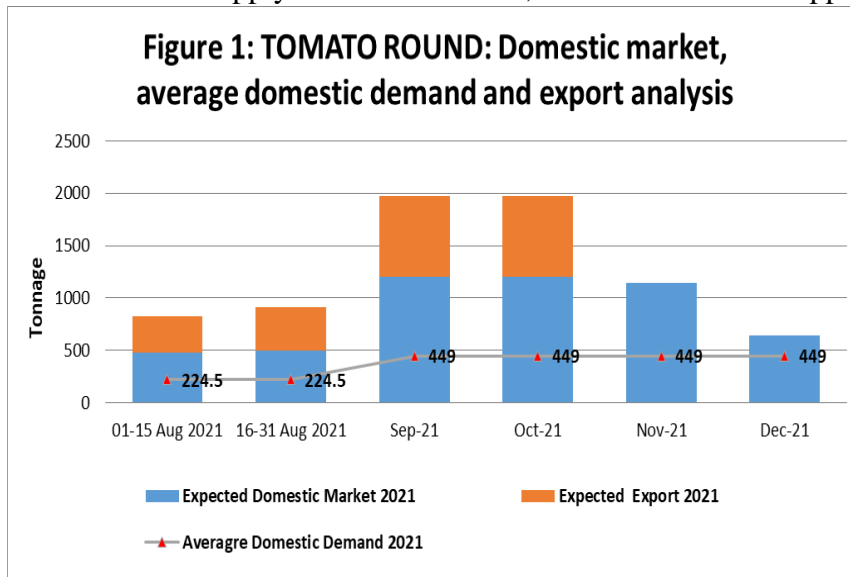
Source: NAB, 2021

Table 4B: EXPECTED PRODUCTION OF MONITORED PRODUCTS VERSUS DOMESTIC DEMAND ANALYSIS							
		Numbers in this table represents Tonnage					
Crop	Expected <b>Shortage</b> or <b>Surplus</b>	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	TOTAL
Spinach	Expected for Domestic Market	34.9	33.9	23.0	15.5	15.0	122.18
	Average Domestic Demand	46.0	46.0	46.0	46.0	46.0	230.00
	<b>Surplus /Shortage</b>	<b>-11.1</b>	<b>-12.1</b>	<b>-23.0</b>	<b>-30.5</b>	<b>-31.0</b>	<b>-107.82</b>

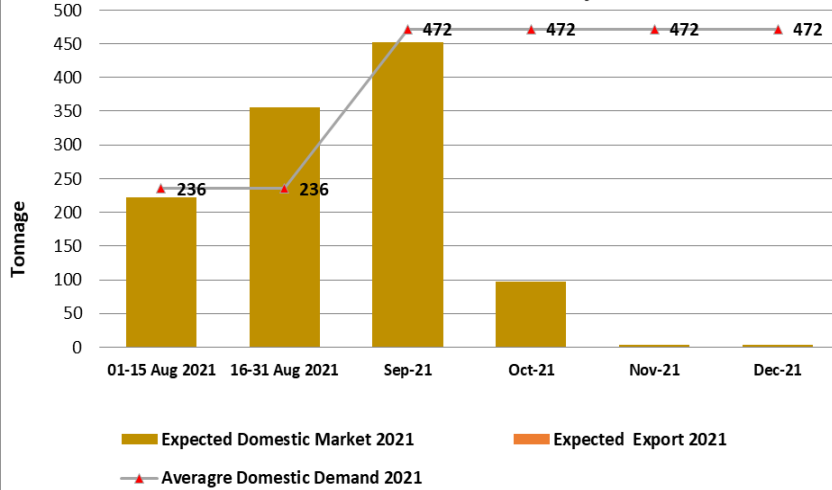
Source: NAB, 2021

#### 4.2 GRAPHICAL ANALYSIS

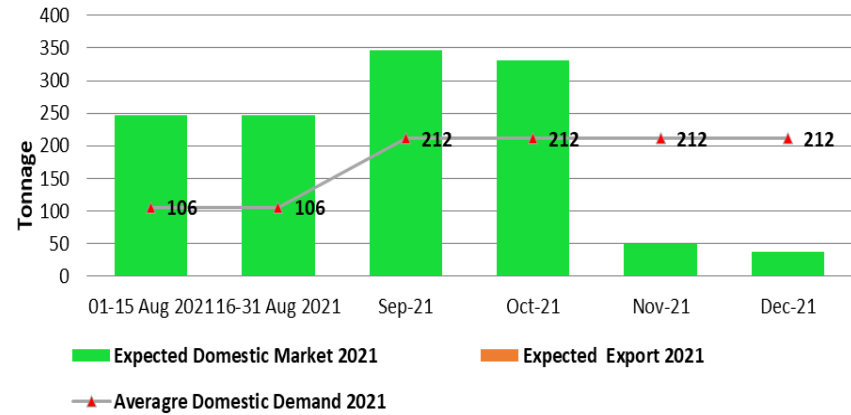
**Figures 1- 7:** Below indicate the Domestic market, average domestic demand and export analysis. The analysis revealed that we will have sufficient supply of Tomato Round, Colour and Green Pepper during the special permit period of 01 to 31 August 2021.



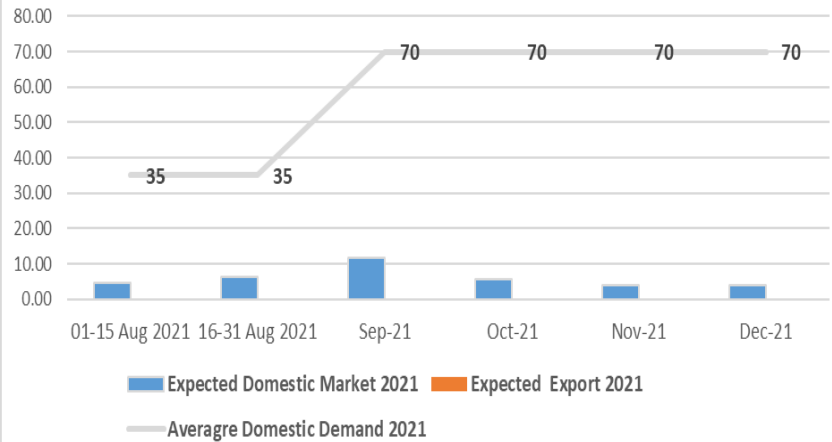
**Figure 3: CARROT: Domestic market, average domestic demand and Export**



**Figure 4: GREEN PEPPER: Domestic market, average domestic demand and Export**



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



**Figure 6: COLOUR PEPPER : Domestic market, average domestic demand and export**

