



Colour Pepper



Tomato Round



Tomato Jam



Carrot



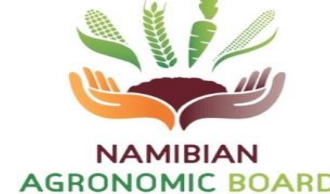
Green Pepper



Spinach



Sweetcorn



HORTICULTURE: VEGETABLES PRODUCTION FORECAST

REPORT NO.2

FORECASTED PERIOD:

01 OCTOBER 2021 TO 28 FEBRUARY 2022

**Agronomy and Horticulture Market Development
Division**

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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, Colour 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.

Special controlled product	INCLUSIONS (Not allowed to be imported, only during open border period)	EXCLUSIONS (Allowed to be imported with no restrictions)
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".	All Orange, Brown, Black, Purple and White Bell fresh Peppers, Chilled, whole or Cut. All frozen, dried, cooked and preserved colour bell peppers
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: Shows that, Tomato Round, Carrot and Tomato Jam respectively are the top commodities with high-expected tonnages during the forecasted 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															
		Numbers in the table below represents tonnage													
PRODUCTION AREA	CROP	01-15 Oct 21		16-31 Oct 21		Nov-21		Dec-21		Jan-22		Feb-22		Totals	
		Local	Export	Local	Export	Local	Export	Local	Export	Local	Export	Local	Export	Expected tonnage	Hectares planted
ZAMBEZI	Tomato Round	19.7	0.0	20.4	0.0	22.0	0.0	16.0	0.0	8.2	0.0	5.6	0.0	92.0	3.5
	Tomato Jam	4.2	0.0	4.2	0.0	7.0	0.0	5.7	0.0	1.4	0.0	0.0	0.0	22.4	0.6
	Carrot	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
	Green Pepper	1.6	0.0	1.8	0.0	3.9	0.0	4.1	0.0	2.5	0.0	1.3	0.0	15.2	1.1
	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
KAVANGO	Tomato Round	0.7	0.0	1.7	0.0	8.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.6	0.9
	Tomato Jam	0.7	0.0	11.3	0.0	30.2	0.0	29.4	0.0	12.5	0.0	0.0	0.0	84.1	3.0
	Carrot	7.5	0.0	9.6	0.0	8.2	0.0	2.0	0.0	0.0	0.0	0.0	0.0	27.2	1.7
	Green Pepper	0.8	0.0	0.8	0.0	6.3	0.0	6.3	0.0	5.6	0.0	4.7	0.0	24.4	1.3
	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	0.4	0.0	0.9	0.0	0.0	0.0	1.3	0.3
	Tomato Jam	101.8	0.0	113.4	0.0	167.9	0.0	58.6	0.0	38.9	0.0	6.2	0.0	486.9	23.8
	Carrot	9.3	0.0	13.4	0.0	1.6	0.0	2.2	0.0	0.0	0.0	0.0	0.0	26.5	1.9
	Green Pepper	2.6	0.0	2.8	0.0	6.6	0.0	6.3	0.0	4.3	0.0	3.7	0.0	26.3	2.8
	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
	Sweetcorn	0.0	0.0	0.4	0.0	1.8	0.0	1.3	0.0	0.0	0.0	0.0	0.0	3.5	0.5

Table 2 continued..

KARST	Tomato Round	20.0	0.0	30.0	0.0	81.3	0.0	125.0	0.0	179.9	0.0	146.2	0.0	582.3	11.9
	Tomato Jam	42.5	0.0	36.8	0.0	86.2	0.0	293.5	0.0	405.0	0.0	125.5	0.0	989.4	22.1
	Carrot	152.0	0.0	230.5	0.0	326.4	0.0	327.5	0.0	255.0	0.0	200.0	0.0	1491.4	34.9
	Green Pepper	4.0	0.0	8.0	0.0	34.2	0.0	43.7	0.0	39.6	0.0	39.6	0.0	169.2	7.7
	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	7.5	0.0	9.5	0.0	17.0	0.0	15.0	0.0	15.0	0.0	15.0	0.0	79.2	11.1
CENTRAL	Tomato Round	2.1	0.0	28.8	0.0	135.7	0.0	199.4	0.0	197.5	0.0	177.6	0.0	741.0	12.4
	Tomato Jam	1.4	0.0	1.4	0.0	21.7	0.0	25.2	0.0	25.2	0.0	13.5	0.0	88.3	1.5
	Carrot	30.0	0.0	30.0	0.0	40.5	0.0	70.0	0.0	30.0	0.0	30.0	0.0	230.5	2.5
	Green Pepper	8.7	0.0	8.7	0.0	77.5	0.0	126.5	0.0	116.3	0.0	109.3	0.0	447.0	9.2
	Coloured Pepper	10.2	0.0	10.2	0.0	21.7	0.0	1.5	0.0	1.4	0.0	1.4	0.0	46.3	2.4
	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
SOUTH AND ORANGE RIVER	Tomato Round	131.3	200.0	98.1	178.0	300.0	206.0	320.1	206.0	166.0	0.0	220.5	0.0	1235.9	152.4
	Tomato Jam	1.3	0.0	1.3	0.0	3.2	0.0	3.8	0.0	1.1	0.0	1.1	0.0	12.0	0.3
	Carrot	20.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.0	1.0
	Green Pepper	15.0	0.0	15.0	0.0	30.9	0.0	42.5	0.0	45.0	0.0	45.0	0.0	193.4	2.9
	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	5.3	0.0	16.5	0.0	2.8	0.0	0.0	0.0	0.0	0.0	24.6	2.7
Total expected per crop per month	Tomato Round	173.8	200.0	179.0	178.0	547.1	206.0	660.9	206.0	552.5	0.0	549.8	0.0	2663.1	181.4
	Tomato Jam	151.9	0.0	168.4	0.0	316.2	0.0	416.2	0.0	484.1	0.0	146.3	0.0	1683.1	51.3
	Carrot	218.8	0.0	288.5	0.0	376.8	0.0	401.7	0.0	285.0	0.0	230.0	0.0	1800.8	41.9
	Green Pepper	32.8	0.0	37.2	0.0	159.3	0.0	229.4	0.0	213.4	0.0	203.6	0.0	875.6	24.8
	Coloured Pepper	10.2	0.0	10.2	0.0	21.7	0.0	1.5	0.0	1.4	0.0	1.4	0.0	46.3	2.4
	Sweetcorn	7.5	0.0	15.2	0.0	35.3	0.0	19.1	0.0	15.0	0.0	15.0	0.0	107.2	14.28

Source: NAB, 2021

Table 2B: EXPECTED PRODUCTION OF MONITORED PRODUCTS PER CROP PER AREA													
PRODUCTION AREA	CROP	Oct-21		Nov-21		Dec-21		Jan-22		Feb-22		Totals	
		Local	Export	Local	Export	Local	Export	Local	Export	Local	Export	Expected tonnage	Hectares planted
ZAMBEZI	Spinach	0.1		0.1		0.1		0.0		0.0		0.3	0.1
KAVANGO	Spinach	0.9		2.0		1.9		0.1		0.0		4.9	0.9
NORTH CENTRAL	Spinach	0.6		0.6		0.6		0.4		0.0		2.3	0.4
KARST	Spinach	4.2		4.7		5.1		5.1		5.1		24.3	1.2
CENTRAL	Spinach	26.7		16.7		16.7		1.7		0.6		62.3	3.5
SOUTH AND ORANGE RIVER	Spinach	0.0		0.0		0.0		0.0		0.0		0.0	0.0
Total expected tonnage per crop per month	Spinach	32.5	0.0	24.1	0.0	24.5	0.0	7.4	0.0	5.7	0.0	94.1	6.0

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. 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 Oct 2021						16 to 31 Oct 2021						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
1	Mulemwa Goasis	✓																									
2	Elina Kalundu	✓																									
3	Nanvula Lilungwe	✓																									
4	Bernard M Silwabubi	✓																									
5	Agness Matongo	✓																									
6	Raphael Simataa	✓																									
7	Lucious Chataa	✓																									
8	Mukawa Mathews	✓																									
9	Richard Kambinda (ZVTC)	✓																									
10	Charles Mazila	✓																									
11	Kabuba Mushitu	✓																									
12	Agness Songiso	✓																									
13	Sandra manga Musukubili	✓																									
14	Ibalelo Ntelamo	✓																									
15	Likezo Florance	✓																									
16	Sonnety Nyambe	✓																									
17	Lubasi Majakube	✓																									
18	Mahongo Kennedy	✓																									
19	Gabriel Nyambe Ntelamo	✓																									
20	Bernard Kamwi Mukenani	✓																									
21	Cletius Ngandi	✓																									
22	Alfred Masule Sinengela	✓																									
23	Kwenani Raphael	✓																									
24	Rebecca Masilingi	✓																									
25	Oscar Lubasi	✓																									

Table 3 continued..

[illegible]

NORTH CENTRAL AREA																										
			01 to 15 Oct 2021				16 to 31 Oct 2021				Nov-21				Dec-21				Jan-22				Feb-22			
1	Paulus Amutenya	✓																								
2	Erastus Mumbala	✓																								
3	George Eugene	✓																								
4	Toivo Shevute	✓																								
5	Host lipumbu	✓																								
6	Innocent Kalola	✓																								
7	Joseph Kasheeta	✓																								
8	Theophilus Ananias	✓																								
9	Noa Haanyanya	✓																								
10	Abisai Amashili	✓																								
11	Laimi Uukongo	✓																								
12	Emilie Marais	✓																								
13	Alex Kasungu	✓																								
14	John Absalom	✓																								
15	Andreas Shilombweleni	✓																								
16	lipinge Foibe	✓																								
17	Shinohamba Carlos	✓																								
18	Meriam Vilho	✓																								
19	Veino Shikongo	✓																								
20	Hiskia Hambiya	✓																								
21	Emilia Mwanyangapo	✓																								
22	Theofelus Ekandjo	✓																								
23	Shapaka Johannes Katanga	✓																								
24	Etunda S&MSF	✓																								
25	Simeon Negumbo	✓																								
26	Abner Negonga	✓																								
27	Junias Mwafekelange	✓																								

Table 3 continued.

TABLE 3B : EXPECTED AVAILABILITY OF MONITORED CROP								
	KEY: Spinach = 							
ZAMBEZI AREA								
				Oct-21	Nov-21	Dec-21	Jan-22	Feb-22
SN	Name Of Producer	Local	Export	Spinach	Spinach	Spinach	Spinach	Spinach
1	Morgan Saisai	√						
2	Saricky Musweu	√						
3	Marina Musweu	√						
4	Martin Sikanda	√						
KAVANGO AREA								
1	Wilhelm Ndungulo	√						
2	Augustinus Poroto	√						
3	Elizabeth Johannes	√						
4	Annamarie Shipapo	√						
5	Sakeus Joseph	√						
6	Andrew Kashera	√						
7	Juakina Andreas	√						
8	Eleoteria Kapepo	√						

Table 3 continued

NORTH CENTRAL AREA								
1	Paulus Amutenya	√						
2	Elise Awino	√						
3	Andreas Ashimbanga	√						
4	Immanuel Nafele	√						
5	Alex Kasungu	√						
KARST AREA								
1	Louis Smit	√						
2	Wilhem Shali	√						
3	Edward Amadhila	√						
4	Hannes Swanepoel	√						
5	Elizabeth Nekundi	√						
6	Pendafule Hellao	√						
7	Paulus Halwoodi Andreas	√						
8	Etuna Nahima	√						
CENTRAL AREA								
1	Stiaan Cloete	√						
2	Monica Gwala	√						
3	Welme Myburen	√						

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 Jam and Carrot are expected to be Sufficient in the entire permit period of 01 to 31 October 2021. Whereas Sweetcorn and Colour Pepper will be in short supply throughout the whole forecasted period of 01 October 2021 to 28 February 2022. Green Pepper and Tomato Round will be insufficient in the first Month of this forecast.

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 Oct 21	16-31 Oct 21	Nov-21	Dec-21	Jan-22	Feb-22	TOTAL
Tomato Round	Expected for Domestic Market	173.8	179.0	547.1	660.9	552.5	549.8	2663.1
	Average Domestic Demand	194.0	194.0	388.0	388.0	388.0	388.0	1940.0
	Surplus /Shortage	-20.2	-15.0	159.1	272.9	164.5	161.8	723.1
Tomato Jam	Expected for Domestic Market	151.9	168.4	316.2	416.2	484.1	146.3	1683.1
	Average Domestic Demand	82.0	82.0	164.0	164.0	164.0	164.0	820.0
	Surplus /Shortage	69.9	86.4	152.2	252.2	320.1	-17.7	863.1
Carrot	Expected for Domestic Market	218.8	288.5	376.8	401.7	285.0	230.0	1800.8
	Average Domestic Demand	207.5	207.5	415.0	415.0	415.0	415.0	2075.0
	Surplus /Shortage	11.3	81.0	-38.2	-13.3	-130.0	-185.0	-274.2
Green Pepper	Expected for Domestic Market	32.8	37.2	159.3	229.4	213.4	203.6	875.6
	Average Domestic Demand	106.0	106.0	212.0	212.0	212.0	212.0	1060.0
	Surplus /Shortage	-73.2	-68.8	-52.7	17.4	1.4	-8.4	-184.4
Colour Pepper	Expected for Domestic Market	10.2	10.2	21.7	1.5	1.4	1.4	46.3
	Average Domestic Demand	49.8	49.8	99.6	99.6	99.6	99.6	498.0
	Surplus /Shortage	-39.7	-39.7	-77.9	-98.1	-98.2	-98.2	-451.7
Sweetcorn	Expected for Domestic Market	7.5	15.2	35.3	19.1	15.0	15.0	107.2
	Average Domestic Demand	23.0	23.0	46.0	46.0	46.0	46.0	230.0
	Surplus /Shortage	-15.5	-7.8	-10.7	-26.9	-31.0	-31.0	-122.8

Table 4B: EXPECTED PRODUCTION OF MONITORED PRODUCTS VERSUS DOMESTIC DEMAND ANALYSIS							
		Numbers in this table represents Tonnage					
Crop	Expected Shortage or Surplus	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	TOTAL
Spinach	Expected for Domestic Market	32.5	24.1	24.5	7.4	5.7	94.05
	Average Domestic Demand	55.0	55.0	55.0	55.0	55.0	275.00
	Surplus /Shortage	-22.5	-30.9	-30.5	-47.6	-49.3	-180.95

Source: NAB, 2021

4.2 GRAPHICAL ANALYSIS

Figures 1- 7: Below indicate the expected domestic market, average domestic demand and export analysis per crop, we will therefore have sufficient supply of Tomato Jam and Carrot from 01 to 31 October 2021 permit period.

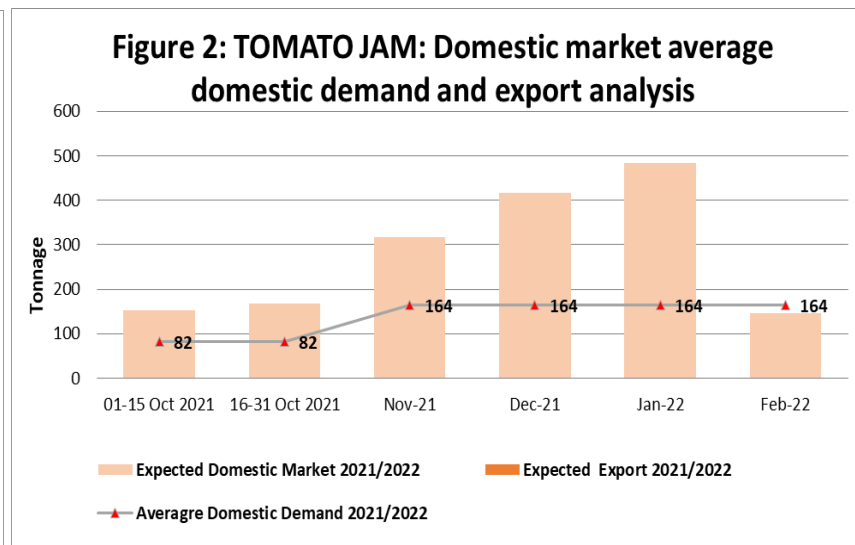
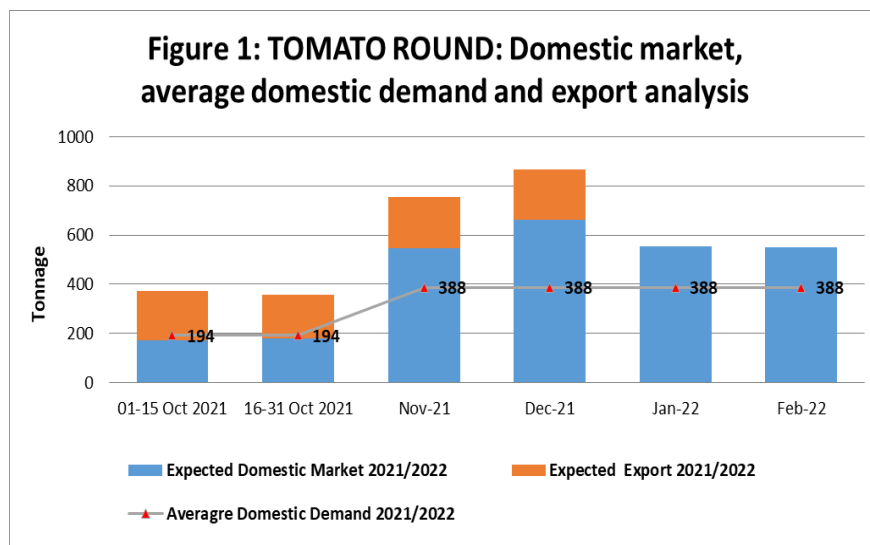


Figure 3: CARROT: Domestic market, average domestic demand and Export

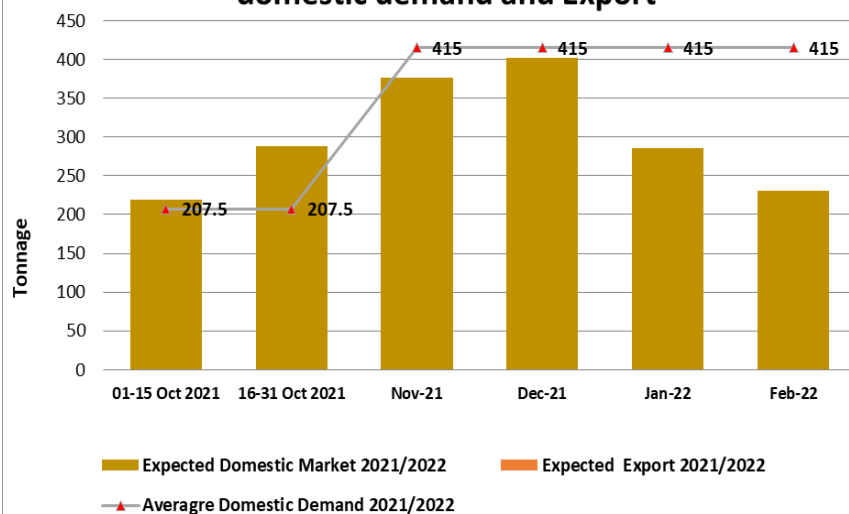


Figure 4: GREEN PEPPER: Domestic market, average domestic demand and Export

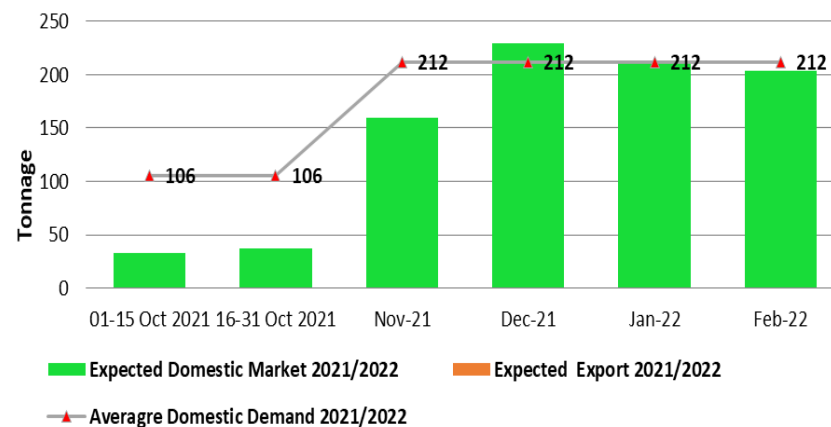


Figure 5: SWEETCORN :Domestic market, average domestic demand and export

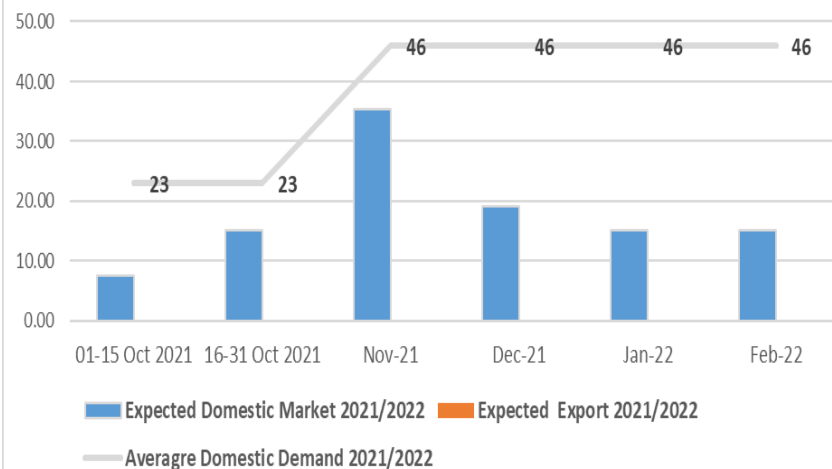


Figure 6: COLOUR PEPPER :Domestic market,average domestic demand and export

