



Colour Pepper



Tomato Round



Tomato Jam



Carrot



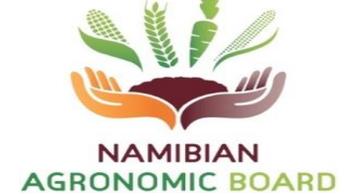
Green Pepper



Spinach



Sweetcorn



HORTICULTURE: VEGETABLES PRODUCTION FORECAST

REPORT NO.2

FORECASTED PERIOD:

01 DECEMBER 2021 TO 30 APRIL 2022

**Agronomy and Horticulture Market Development
Division**

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1. INTRODUCTION

Report no. 2, covers the local production forecast for the six special controlled products i.e. **Tomato (Round & Jam), Green Pepper, Colour Pepper, Carrot, Sweetcorn and one (1) monitored crop e.g. Spinach**. The production of the special controlled products is monitored by NAB and involves the implementation of close border period whenever sufficient local production is expected. 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, hence spinach crop is currently pending approval to form part of special controlled products. 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 valid for 90 days. 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. Sweet Corn	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 Sweet Corn. All Frozen, dried, cooked and preserved. Sweet Corn (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, Carrot, Tomato Jam, and Tomato Round 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 2: EXPECTED PRODUCTION OF SPECIAL CONTROLLED PRODUCTS PER CROP PER AREA															
PRODUCTION AREA	CROP	Numbers in the table below represents tonnage												Totals	
		01-15 Dec 21		16-31 Dec 21		Jan-22		Feb-22		Mar-22		Apr-22		Expected tonnage	Hectares planted
		Local	Export	Local	Export	Local	Export	Local	Export	Local	Export	Local	Export		
ZAMBEZI	Tomato Round	7.5	0.0	8.0	0.0	14.7	0.0	10.6	0.0	3.1	0.0	1.7	0.0	45.6	2.4
	Tomato Jam	0.0	0.0	1.0	0.0	1.5	0.0	0.5	0.0	0.0	0.0	0.0	0.0	3.0	0.1
	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	0.9	0.0	0.9	0.0	2.0	0.0	1.2	0.0	1.0	0.0	1.0	0.0	7.1	0.6
	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
	Spinach	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1
	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	7.3	0.0	7.1	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.2	0.9
	Tomato Jam	4.6	0.0	10.4	0.0	27.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.2	2.0
	Carrot	3.9	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.9	0.5
	Green Pepper	4.7	0.0	2.2	0.0	1.9	0.0	1.9	0.0	1.4	0.0	1.4	0.0	13.4	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
	Spinach	1.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.7
	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	37.2	0.0	56.3	0.0	109.5	0.0	55.0	0.0	3.8	0.0	0.0	0.0	261.8	10.3
	Carrot	1.5	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	3.4	0.2
	Green Pepper	4.3	0.0	4.3	0.0	8.0	0.0	5.3	0.0	3.9	0.0	2.4	0.0	28.2	1.7
	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
	Spinach	0.1	0.0	0.1	0.0	0.2	0.0	0.0	0.0	4.7	0.0	4.7	0.0	9.7	2.2
	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

Table 2 continued

KARST	Tomato Round	61.2	0.0	63.0	0.0	153.7	0.0	135.6	0.0	106.6	0.0	106.6	0.0	626.8	14.7
	Tomato Jam	128.5	0.0	167.9	0.0	301.2	0.0	155.2	0.0	85.0	0.0	63.0	0.0	900.7	23.0
	Carrot	463.0	0.0	395.5	0.0	470.8	0.0	343.2	0.0	0.0	0.0	0.0	0.0	1672.5	32.9
	Green Pepper	25.2	0.0	25.2	0.0	51.3	0.0	56.8	0.0	43.9	0.0	41.8	0.0	244.1	10.8
	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
	Spinach	2.7	0.0	2.7	0.0	5.5	0.0	5.5	0.0	5.5	0.0	5.1	0.0	26.9	1.5
	Sweetcorn	25.0	0.0	25.0	0.0	7.0	0.0	7.0	0.0	7.0	0.0	7.0	0.0	78.0	10.5
CENTRAL	Tomato Round	26.1	0.0	26.1	0.0	34.2	0.0	26.7	0.0	26.7	0.0	6.7	0.0	146.3	3.3
	Tomato Jam	0.8	0.0	0.8	0.0	6.5	0.0	6.5	0.0	6.5	0.0	0.0	0.0	21.0	0.3
	Carrot	15.1	0.0	15.1	0.0	30.0	0.0	30.0	0.0	30.0	0.0	30.0	0.0	150.3	5.0
	Green Pepper	2.6	0.0	9.1	0.0	18.1	0.0	14.0	0.0	13.0	0.0	1.6	0.0	58.3	2.3
	Coloured Pepper	17.5	0.0	17.5	0.0	35.0	0.0	35.0	0.0	35.0	0.0	35.0	0.0	175.0	5.0
	Spinach	1.0	0.0	1.0	0.0	2.0	0.0	2.0	0.0	2.0	0.0	2.0	0.0	10.0	0.5
	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	67.8	0.0	67.8	0.0	206.6	0.0	200.6	0.0	123.6	0.0	123.6	0.0	790.0	16.8
	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Green Pepper	3.3	0.0	3.3	0.0	13.5	0.0	43.5	0.0	43.5	0.0	38.5	0.0	145.5	2.1
	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
	Spinach	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	3.0	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.4
Total expected per crop per month	Tomato Round	169.9	0.0	172.0	0.0	409.9	0.0	373.5	0.0	260.0	0.0	238.6	0.0	1623.9	38.1
	Tomato Jam	171.0	0.0	236.3	0.0	445.9	0.0	217.2	0.0	95.3	0.0	63.0	0.0	1228.7	35.6
	Carrot	483.5	0.0	414.1	0.0	500.8	0.0	373.2	0.0	30.4	0.0	30.0	0.0	1832.1	38.6
	Green Pepper	40.9	0.0	45.0	0.0	94.8	0.0	122.7	0.0	106.7	0.0	86.7	0.0	496.8	18.4
	Coloured Pepper	17.5	0.0	17.5	0.0	35.0	0.0	35.0	0.0	35.0	0.0	35.0	0.0	175.0	5.0
	Spinach	4.9	0.0	4.9	0.0	7.7	0.0	7.5	0.0	12.1	0.0	11.7	0.0	48.7	4.9
	Sweetcorn	28.0	0.0	28.0	0.0	7.0	0.0	7.0	0.0	7.0	0.0	7.0	0.0	84.0	10.90

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, Carrot and Sweetcorn are expected to be Sufficient in the entire permit period of 01 to 31 December 2021. Green Pepper, Colour Pepper, Tomato Round and Spinach 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 Dec 21	16-31 Dec 21	Jan-22	Feb-22	Mar-22	Apr-22	TOTAL
Tomato Round	Expected for Domestic Market	169.9	172.0	409.9	373.5	260.0	238.6	1623.9
	Average Domestic Demand	194.0	194.0	388.0	388.0	388.0	388.0	1940.0
	Surplus /Shortage	-24.1	-22.0	21.9	-14.5	-128.0	-149.4	-316.1
Tomato Jam	Expected for Domestic Market	171.0	236.3	445.9	217.2	95.3	63.0	1228.7
	Average Domestic Demand	82.0	82.0	164.0	164.0	164.0	164.0	820.0
	Surplus /Shortage	89.0	154.3	281.9	53.2	-68.8	-101.0	408.7
Carrot	Expected for Domestic Market	483.5	414.1	500.8	373.2	30.4	30.0	1832.1
	Average Domestic Demand	207.5	207.5	415.0	415.0	415.0	415.0	2075.0
	Surplus /Shortage	276.0	206.6	85.8	-41.8	-384.6	-385.0	-242.9
Green Pepper	Expected for Domestic Market	40.9	45.0	94.8	122.7	106.7	86.7	496.8
	Average Domestic Demand	106.0	106.0	212.0	212.0	212.0	212.0	1060.0
	Surplus /Shortage	-65.1	-61.0	-117.2	-89.3	-105.3	-125.3	-563.2
Colour Pepper	Expected for Domestic Market	17.5	17.5	35.0	35.0	35.0	35.0	175.0
	Average Domestic Demand	49.8	49.8	99.6	99.6	99.6	99.6	498.0
	Surplus /Shortage	-32.3	-32.3	-64.6	-64.6	-64.6	-64.6	-323.0
Sweetcorn	Expected for Domestic Market	28.0	28.0	7.0	7.0	7.0	7.0	84.0
	Average Domestic Demand	17.2	17.2	34.4	34.4	34.4	34.4	171.8
	Surplus /Shortage	10.8	10.8	-27.4	-27.4	-27.4	-27.4	-87.8
Spinach	Expected for Domestic Market	4.9	4.9	7.7	7.5	12.1	11.7	48.7
	Average Domestic Demand	20.3	20.3	40.6	40.6	40.6	40.6	203.0
	Surplus /Shortage	-15.4	-15.4	-32.9	-33.1	-28.5	-28.9	-154.3

Source: NAB, 2021

4.2 GRAPHICAL ANALYSIS

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

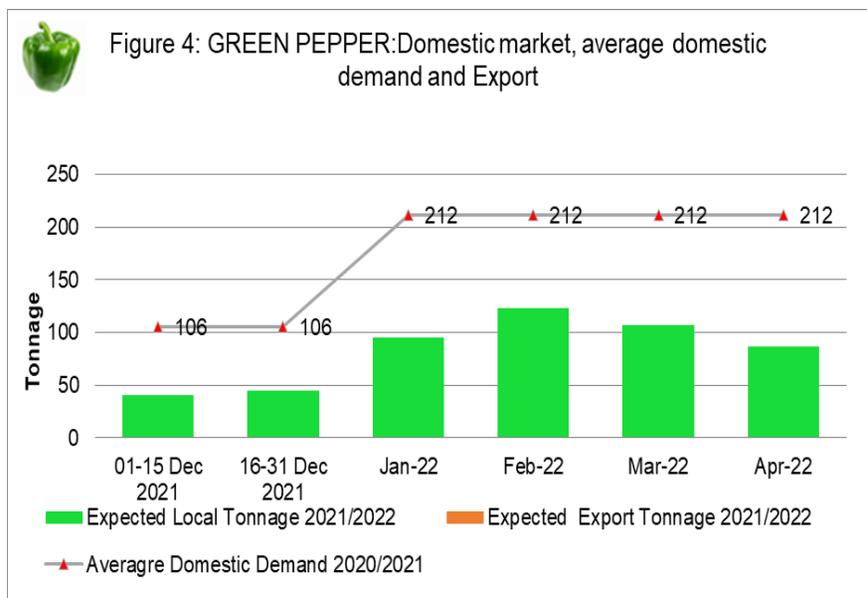
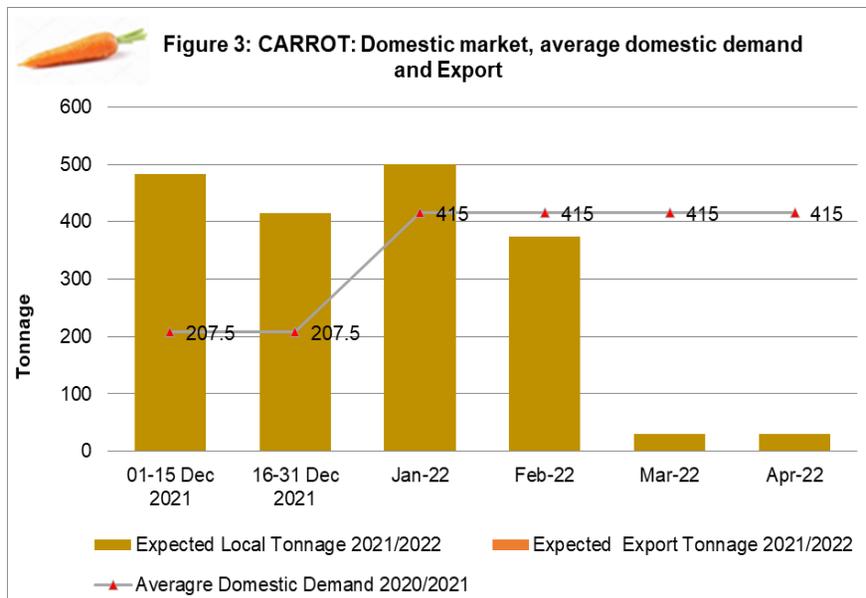
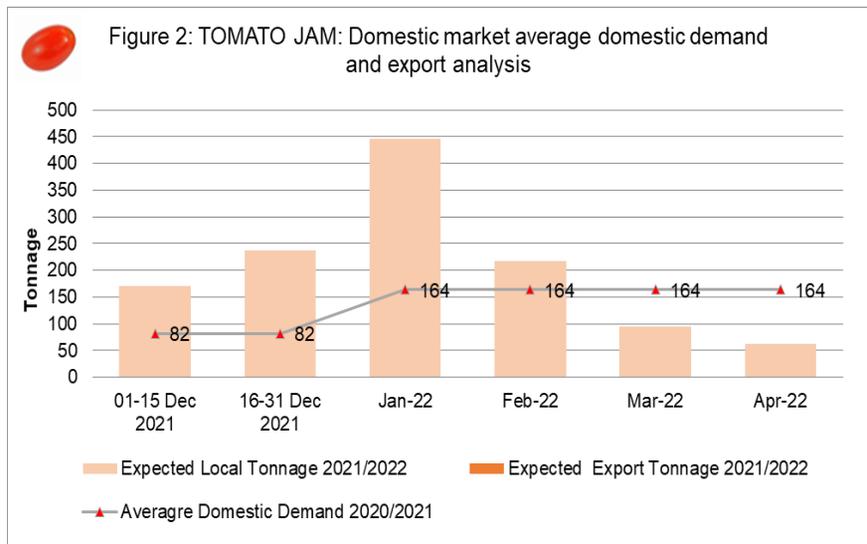
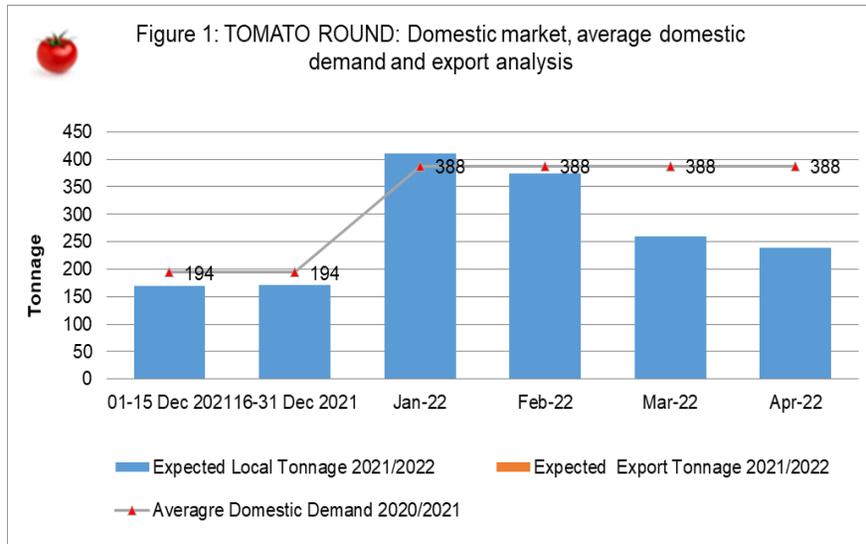




Figure 5: SWEETCORN :Domestic market, average domestic demand and export

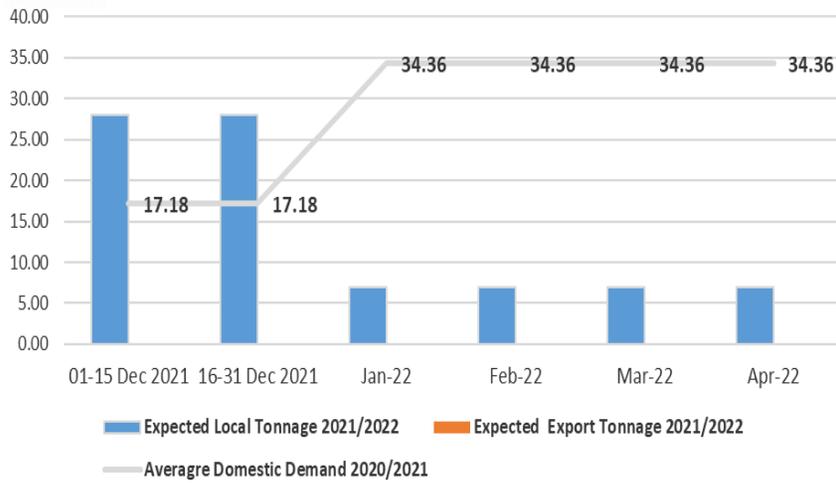


Figure 6: COLOUR PEPPER :Domestic market, average domestic demand and export

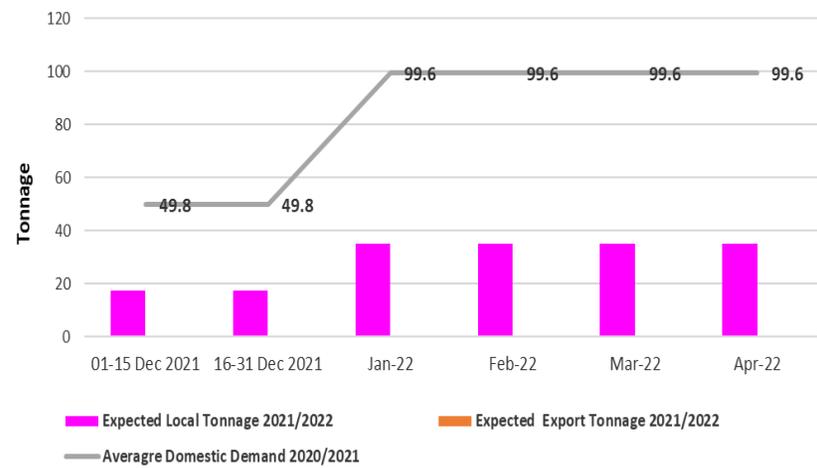


Figure 7 : SPINACH: Domestic market, average domestic demand and export

