
Beetroot


English Cucumber


Sweet Potato


Watermelon


Sweet melon


Lettuce

NAMIBIAN AGRONOMIC BOARD

HORTICULTURE: VEGETABLES PRODUCTION FORECAST

REPORT NO 3

FORECASTED PERIOD:

01 OCTOBER 2020 TO 28 FEBRUARY 2021

Agronomy and Horticulture Market Development Division

Horticulture Market Development Subdivision

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1. INTRODUCTION

Report no. 3, covers the local production forecast for the **five special controlled products** i.e. **Beetroot, English Cucumber, Sweet Potato, Watermelon and Sweet melon** as well as **one monitored crop** i.e. **Lettuce**. 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 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 of the special controlled product scheme is to stimulate local production of horticultural products in Namibia, as a growth at home strategy implemented by the NAB.

Table 1 below 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 restriction)
Beetroot	All types, size groups and container size of fresh, chilled, Whole or Cut red fleshed Beetroot, except the “Exclusions”.	Yellow, white and golden fleshed Beetroot. All frozen, dried, cooked and preserved beetroot (Whole or Cut). Including Juice/Jam
English Cucumber	All types, size groups and container size of fresh, chilled, Whole or Cut English Cucumber, except the “Exclusions”.	Preserved English Cucumber, other types of cucumbers. All frozen, dried, cooked and preserved English Cucumber (Whole or Cut).
Sweet Potato	All types, size groups and container sizes of fresh, chilled, Whole or Cut Sweet Potato, except the “Exclusions”.	Yellow/Cream fleshed Sweet potato (Zambian type), Purple Sweet Potato. All frozen, dried, cooked, and preserved Sweet Potato (Whole or Cut).
Watermelon	All types, size groups and container size of fresh, chilled, Whole or Cut Watermelon, except the “Exclusions”.	All Watermelon Juices and Jam.
Sweet melon	All types, size groups and container size of fresh, chilled, Whole or Cut Sweet Melon, except the “Exclusions”.	All Sweet melon Juices and Jam.

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 TONNAGE EXPECTED PER AREA

Table 1, indicates that, during the reporting period, the biggest portion of Beetroot is expected to be harvested in the Karst, Sweet Potatoes from North Central production zones. Furthermore, Table 1 also shows that the biggest portion of Watermelon and Sweet melon production is expected from South and Orange.

Table 1: Monthly expected production per area, per crop for the period 01 Oct 2020 - 28 Feb 2020

Numbers in the table below represents tonnage expected to harvested for local and export market Last updated: 21 Sep 2020

PRODUCTION AREAS	CROPS	Oct-20		Nov-20		Dec-20		Jan-21		Feb-21		Total (for the 5 months period)	
		Local	Export	Local	Export	Local	Export	Local	Export	Local	Export	Yield	Ha to be harvested
ZAMBEZI	Beetroot	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	**0.14**	**0.01**
	English Cucumbers	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.00**	**0.00**
	Sweet Potatoes	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**1.25**	**0.10**
	Watermelon	5.0	0.0	27.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**32.72**	**0.83**
	Sweetmelon	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.00**	**0.00**
	Lettuce	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.75**	**0.05**
KAVANGO	Beetroot	3.1	0.0	0.2	0.0	1.5	0.0	0.0	0.0	0.0	0.0	**4.74**	**0.32**
	English Cucumbers	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.00**	**0.00**
	Sweet Potatoes	3.6	0.0	7.6	0.0	0.0	0.0	30.0	0.0	0.0	0.0	**48.68**	**2.32**
	Watermelon	21.4	0.0	134.0	0.0	78.3	0.0	0.0	0.0	0.0	0.0	**233.80**	**5.64**
	Sweetmelon	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.00**	**0.00**
	Lettuce	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.00**	**0.00**
NORTH CENTRAL	Beetroot	4.7	0.0	7.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**12.25**	**0.59**
	English Cucumbers	0.2	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.30**	**0.03**
	Sweet Potatoes	162.6	0.0	199.9	0.0	147.3	0.0	78.7	0.0	110.0	0.0	**698.51**	**24.66**
	Watermelon	196.9	0.0	89.8	0.0	16.8	0.0	0.0	0.0	0.0	0.0	**303.50**	**10.25**
	Sweetmelon	22.0	0.0	14.2	0.0	11.0	0.0	0.0	0.0	0.0	0.0	**47.20**	**4.24**
	Lettuce	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.00**	**0.00**

Table 1 continues ..

KARSTLAND	Beetroot	80.0	0.0	144.0	0.0	141.5	0.0	116.5	0.0	116.5	0.0	**598.50**	**22.60**
	English Cucumbers	1.6	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**3.24**	**0.25**
	Sweet Potatoes	0.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0	0.0	0.0	**20.00**	**1.00**
	Watermelon	0.0	0.0	128.0	0.0	318.0	0.0	160.0	0.0	160.0	0.0	**766.00**	**15.50**
	Sweetmelon	40.0	0.0	60.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	**120.00**	**5.50**
	Lettuce	27.3	0.0	28.4	0.0	28.4	0.0	27.3	0.0	27.3	0.0	**143.99**	**5.63**
CENTRAL	Beetroot	15.0	0.0	0.0	0.0	30.0	0.0	0.0	0.0	0.0	0.0	**45.00**	**1.50**
	English Cucumbers	103.5	0.0	98.5	0.0	103.5	0.0	118.5	0.0	103.5	0.0	**518.50**	**15.40**
	Sweet Potatoes	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.00**	**0.20**
	Watermelon	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	**10.00**	**0.20**
	Sweetmelon	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	**5.00**	**0.20**
	Lettuce	45.0	0.0	45.0	0.0	45.0	0.0	45.0	0.0	45.0	0.0	**200.00**	**8.00**
SOUTH AND ORANGE RIVER	Beetroot	25.0	0.0	0.0	0.0	15.0	0.0	10.0	0.0	0.0	0.0	**50.00**	**2.35**
	English Cucumbers	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.00**	**0.00**
	Sweet Potatoes	15.0	0.0	0.0	0.0	0.0	0.0	30.0	0.0	0.0	0.0	**75.00**	**4.00**
	Watermelon	80.0	0.0	680.0	0.0	645.0	0.0	553.0	0.0	160.0	0.0	**2118.00**	**45.76**
	Sweetmelon	44.5	20.0	54.5	20.0	224.0	0.0	224.0	0.0	40.0	0.0	**627.00**	**26.26**
	Lettuce	43.5	0.0	43.5	0.0	23.5	0.0	3.5	0.0	3.5	0.0	**117.50**	**4.60**
Total expected production per crop per month	**Beetroot**	**127.7**	**0.0**	**151.8**	**0.0**	**188.1**	**0.0**	**126.5**	**0.0**	**116.5**	**0.0**	**710.63**	**27.36**
	English Cucumbers	**105.3**	**0.0**	**100.3**	**0.0**	**103.5**	**0.0**	**118.5**	**0.0**	**103.5**	**0.0**	**522.04**	**15.68**
	Sweet Potatoes	**182.5**	**0.0**	**207.5**	**0.0**	**147.3**	**0.0**	**158.7**	**0.0**	**110.0**	**0.0**	**843.44**	**32.28**
	Watermelon	**303.3**	**0.0**	**1059.5**	**0.0**	**1068.1**	**0.0**	**713.0**	**0.0**	**320.0**	**0.0**	**3464.02**	**78.18**
	Sweetmelon	**106.5**	**20.0**	**128.7**	**20.0**	**260.0**	**0.0**	**224.0**	**0.0**	**40.0**	**0.0**	**799.20**	**36.20**
	Lettuce	**115.8**	**0.0**	**117.6**	**0.0**	**96.9**	**0.0**	**75.8**	**0.0**	**75.8**	**0.0**	**462.24**	**18.28**

Source: NAB 2020

3. EXPECTEDCTED AVAILABILITY PER PRODUCER

Table 2 below, shows the expected month of availability for the 5 special controlled crops and one monitored crop, from each production zone.

TABLE: 2

KEYS : BEETROOT ENGLISH CUCUMBER SWEET POTATO WATERMELON SWEETMELON LETTUCE

PERIOD: 01 Oct 2020 TO 28 Feb 2021

		MARKET			1-15 Oct-20						16-30 Oct-20						Nov-20						Dec-20						Jan-21						Feb-21					
	NAME OF PRODUCER	Informal	Formal	Export	Beetroot	English Cucumber	Sweet Potato	Watermelon	Sweet melon	Lettuce	Beetroot	English Cucumber	Sweet Potato	Watermelon	Sweet melon	Lettuce	Beetroot	English Cucumber	Sweet Potato	Watermelon	Sweet melon	Lettuce	Beetroot	English Cucumber	Sweet Potato	Watermelon	Sweet melon	Lettuce	Beetroot	English Cucumber	Sweet Potato	Watermelon	Sweet melon	Lettuce	Beetroot	English Cucumber	Sweet Potato	Watermelon	Sweet melon	Lettuce
ZAMBEZI																																								
1	David Muluti	√	√																																					
2	Clemence Makumbi	√	√																																					
3	Raphael Kachana	√	√																																					
4	Mpulila Manga	√	√																																					
5	Clement Mulyokela	√	√																																					
6	Mulemwa Goaises	√	√																																					
7	Alex Lisao	√	√																																					
KAVANGO AREA																																								
1	Eleuteria Kapepo	√	√																																					
2	Laurentia Nkandanga	√	√																																					
3	Anna stacia Flai	√	√																																					
4	Virginia Mukoya	√	√																																					
5	Patson Mbenjani	√	√																																					
6	David Petrus	√	√																																					
7	Ignatius Hamupembe	√	√																																					
8	Boysen Mutelo	√	√																																					
9	Muronga Mayira	√	√																																					
10	Irma Shifura	√	√																																					

Table 2 continues….

NORTH CENTRAL AREA																																								
1	Willem Ankama	√	√																																					
2	Chrisna Greeff	√	√																																					
3	Pupyenaye Tjavanga	√	√																																					
4	Mvoyaha Nakaande	√	√																																					
5	Epafras Nghilengwa	√	√																																					
6	Immanuel Hambiya	√	√																																					
7	Erastus Mumbala	√	√																																					
8	Moses Shambwila	√	√																																					
9	Emilie Naunyango	√	√																																					
10	Michael Shiningavamwe	√	√																																					
11	Elifas Nuuyoma	√	√																																					
12	Zocks Iipinge	√	√																																					
13	Matheus Nuukunde	√	√																																					
14	John Naindjala	√	√																																					
15	Veikko Imalwa	√	√																																					
16	Erick Shikongo	√	√																																					
17	Eugen Eugen	√	√																																					
18	Silvanus Naunyango	√	√																																					
19	Noa Hanyanya	√	√																																					
20	Tangeni Tomas	√	√																																					
21	Petrus Matheus	√	√																																					
22	Titus Paulus	√	√																																					
23	Reinhelde Shikongo	√	√																																					
24	Rassie Erasmus	√	√																																					
25	Shetuuka Shetuuka	√	√																																					
26	Tarcisius Shingundu	√	√																																					
27	Theofilus Ekandjo	√	√																																					
28	Andreas Ashimbanga	√	√																																					
29	Abel Ashimbanga	√	√																																					
30	Paulus Iilonga Kapia	√	√																																					

Table 2 continues….

31	Inocens kalola	√	√	
32	Fiina Valombola	√	√	
33	Paulus Kapuka	√	√	
34	Dennis Kalunga	√	√	
35	Erasmus & Helena Mwiikeni	√	√	
36	Goergy Eugen	√	√	
37	Protasius Moongela	√	√	
38	Paulina Kaita	√	√	
39	Ismael Kapuka	√	√	
40	Elise Awino	√	√	
41	Simeon Negumbo	√	√	
42	Paulus Amutenya	√	√	
43	Absai Amashili	√	√	
44	Marais	√	√	
45	Andreas Shihepo	√	√	
46	Abner Negonga	√	√	
47	Hambeleleni Nakapala	√	√	
48	Junias Mwafekelange	√	√	
CENTRAL AREA				
1	Grunnar Waldschmidt	√	√	
2	Anton Koekmoer	√	√	
3	Johaness Meyer	√	√	
4	Stian Cloete	√	√	
5	Lothar Kollmtz	√	√	
6	Georgy Ellis	√	√	
7	Stephan Gaugler	√	√	
8	Jaco van Westhuizen	√	√	

Table 2 continues…..

9	Jacques Cotzee	√	√																																					
10	Danie Marais	√	√																																					
11	Lonie Hart	√	√																																					
12	Verip Zeraeua	√	√																																					
13	Jaco Thomas	√	√																																					
14	Fritz Krosgik	√	√																																					
SOUTH AND ORANGE RIVER AREAS																																								
1	Hermany van Dyk	√	√																																					
2	Fanie Louw	√	√																																					
3	Hentie van Dyk	√	√																																					
4	Loius Louw	√	√																																					
5	Hoekes van Niekerk	√	√																																					
6	Burger Harmse	√	√																																					
7	Johan Roux	√	√																																					
8	Visser Danie	√	√																																					
9	Rudi Kotze	√	√																																					
10	Jean Roux	√	√																																					
11	Zirk Jansen	√	√																																					
12	Chris Huisane	√	√																																					
13	Jones Nghishimwe	√	√																																					
	Francois van Rensburg	√	√																																					
Kindly note: ***Producers not listed herein, it is either they will not be harvesting any of the three products or they did not provide the required data to NAB.***																																								

Source: NAB 2020

4. EXPECTED PRODUCTION AND DEMAND ANNALYSIS

4.1 TABULATION ANALYSIS OF DOMESTIC DEMAND

According to table 3, sufficient local supply of Beetroot, English Cucumber, Sweet Melon and Watermelon is expected during the forecasted period, while insufficient local supply is expected for the Sweet potatoes as indicated below.

Table 3: Analysis of the total expected tonnage for domestic market versus domestic demand.

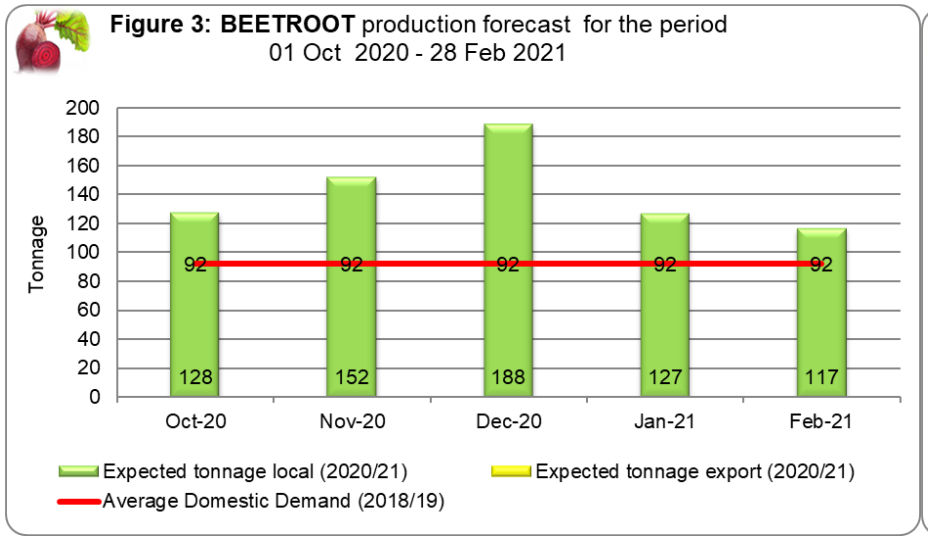
Numbers in this table represents tonnage expected to harvested for local and export market — Last updated: 21 Sep2020

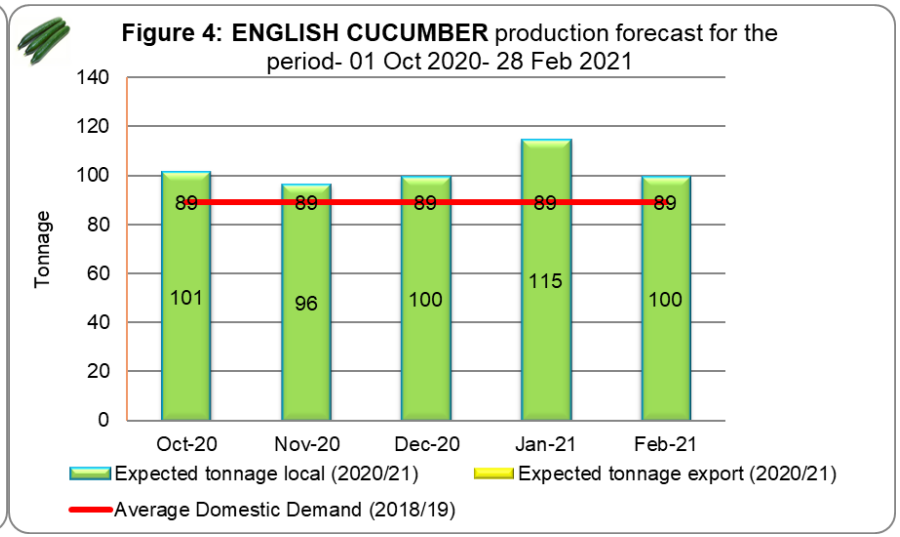
Crops	Expected Surplus or Shortage	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Total
Beetroot	Expected Tonnage for domestic market	128	152	188	127	117	**711**
	Average Domestic Demand (2018/19)	92	92	92	92	92	**460**
	Surplus / shortage (Tonnage)	36	60	96	35	25	**251**
English Cucumber	Expected Tonnage for domestic market	101	96	100	115	100	**511**
	Average Domestic Demand (2018/19)	89	89	89	89	89	**445**
	Surplus / shortage (Tonnage)	12	7	11	26	11	**66**
Sweet Potato	Expected Tonnage for domestic market	182	208	147	159	110	**806**
	Average Domestic Demand (2018/19)	196	196	196	196	196	**980**
	Surplus / shortage (Tonnage)	-14	12	-49	-37	-86	**-174**
Watermelon	Expected Tonnage for domestic market	303	1060	1068	713	320	**3464**
	Average Domestic Demand (2018/19)	154	154	154	154	154	**770**
	Surplus / shortage (Tonnage)	149	906	914	559	166	**2694**
Sweet melon	Expected Tonnage for domestic market	102	204	260	224	40	**830**
	Average Domestic Demand (2018/19)	78	78	78	78	78	**390**
	Surplus / shortage (Tonnage)	24	126	182	146	-38	**440**
Lettuce	Expected Tonnage for domestic market	116	118	97	76	76	**482**
	Average Domestic Demand (2018/19)	39	39	39	39	39	**195**
	Surplus / shortage (Tonnage)	77	79	58	37	37	**287**

Source: NAB 2020

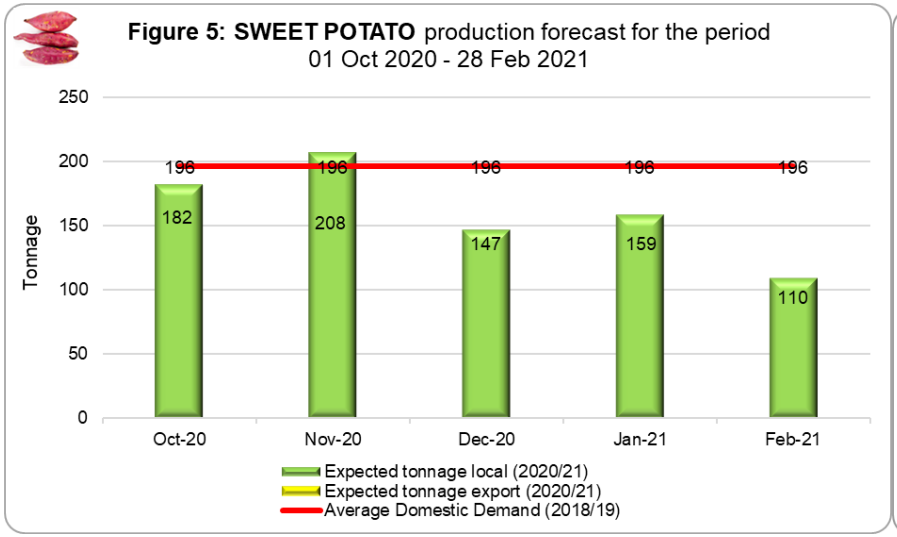
4.2 GRAPHICAL ANALYSIS

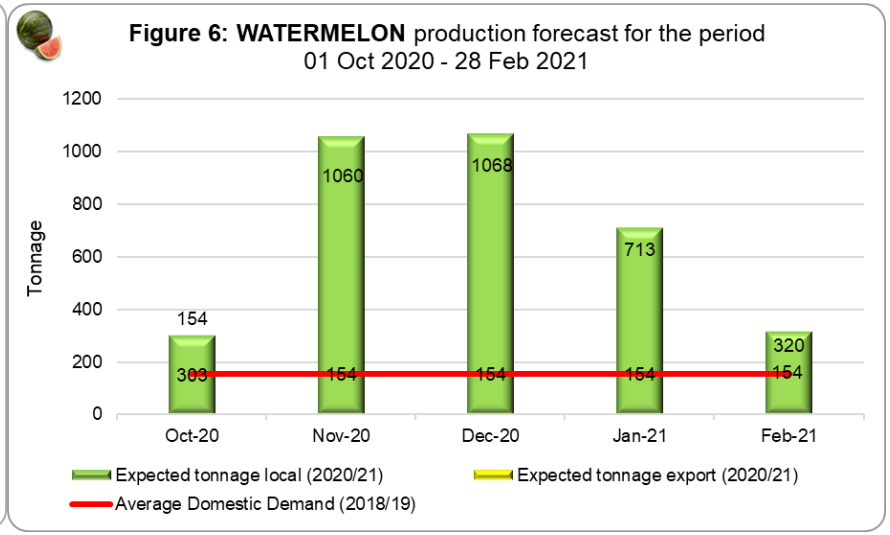
Figure 3 shows that there will be sufficient local supply for Beetroots for the forecasted period. Figure 4,5, 6 and 7 shows that insufficient supply of English Cucumber, Watermelon and Sweet melon which is expected for some months in the reporting period. Export is expected in October, November and December month as illustrated in figure 7, where 20% percent of the Sweet Melons will be exported in the aforementioned months of the forecast.

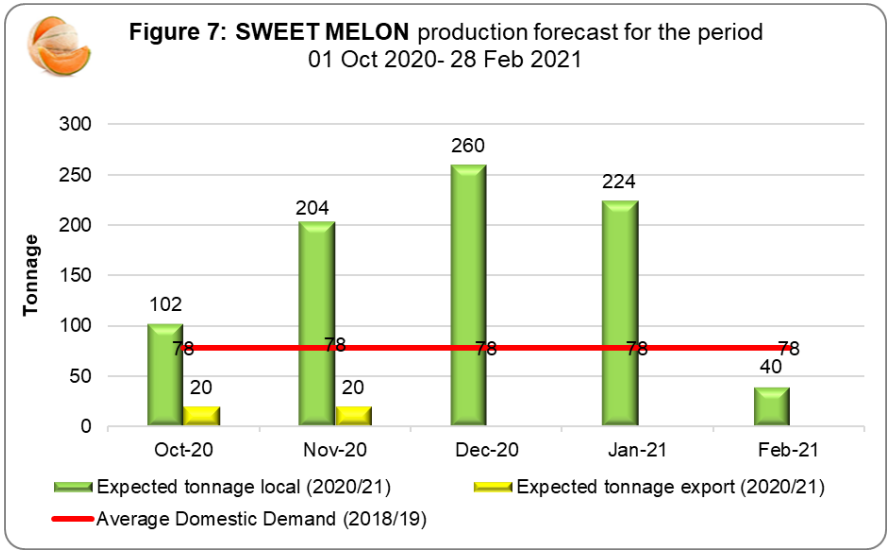


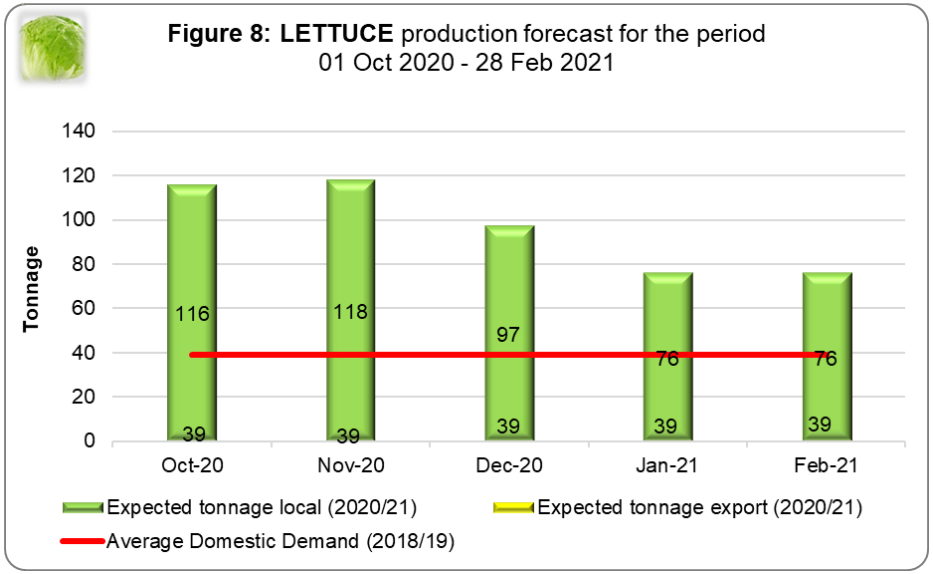


Graphical analysis continues……





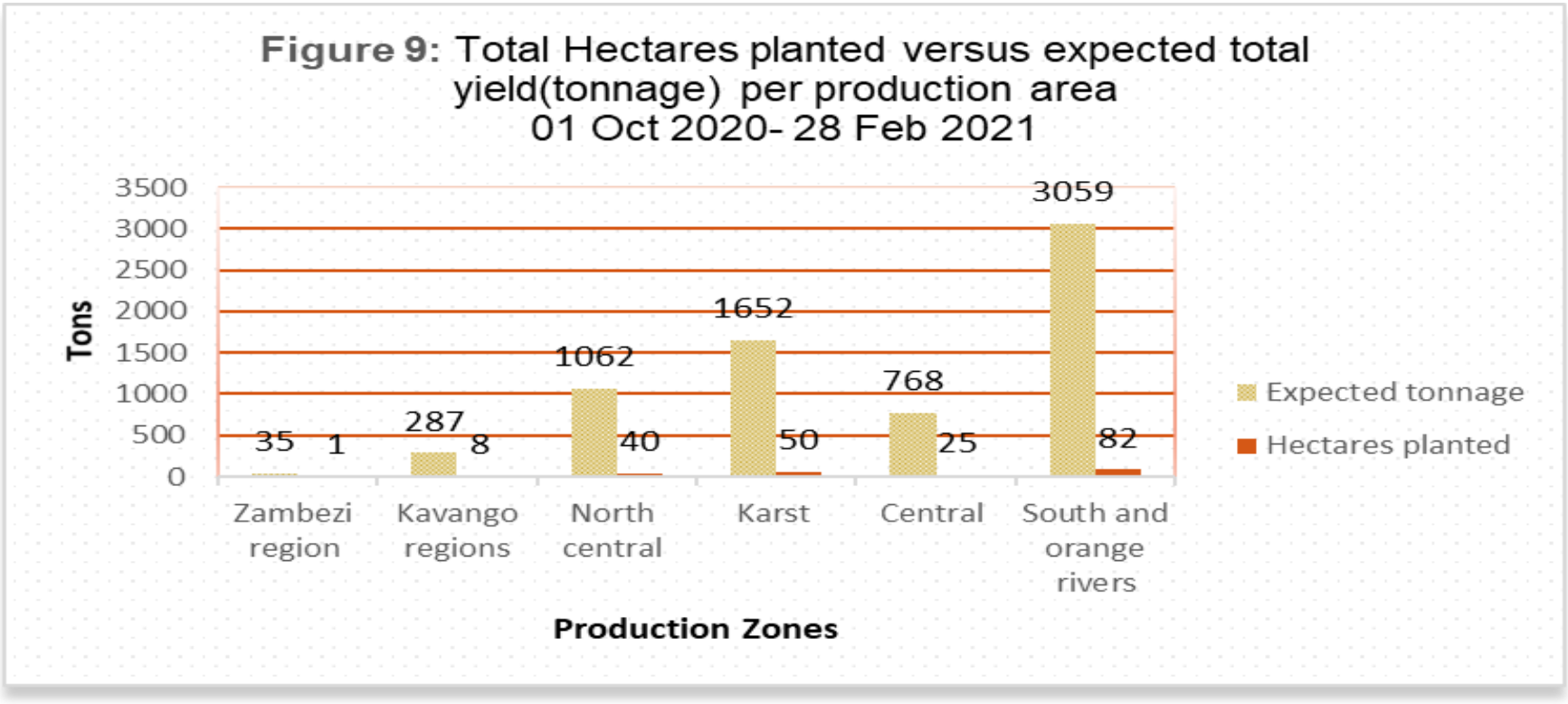




Source: NAB 2020

5. HECTARERS PLANTED AND EXPECTED YIELD PER PRODUCTION AREA

Figure 9, below indicate the number of hectares planted and tonnage expected per production zone. The graph indicates that South and Orange production zones planted a large number of hectares (82 ha) thus high tonnage (3059 tons) is expected from these production zones. Zambezi recorded the lowest number of hectares planted for the crops covered by Report 3 thus the expected tons are also very low as well.



Source: NAB 2020

6. HECTARES PLANTED AND AVERAGE YIELD PER CROP

According to figure 10 and 11, Watermelon makes up the biggest hectares planted i.e. 78 ha, and the lowest hectares planted is for English Cucumber i.e.15 ha. In terms of the expected average yield per hectare, is not comparable because it varies from crop to crop.

Figure 10: Hectares expected to be harvested per crop for the period 01 Oct 2020 - 28 Feb 2021

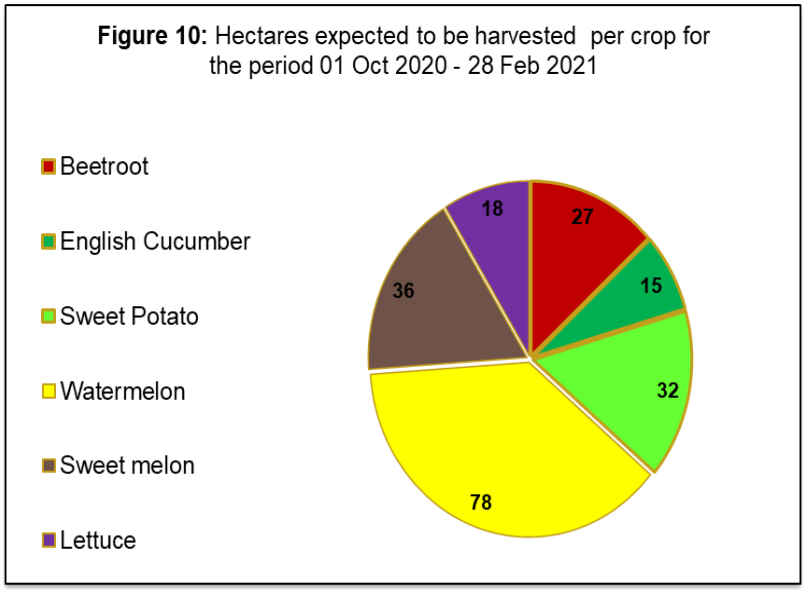
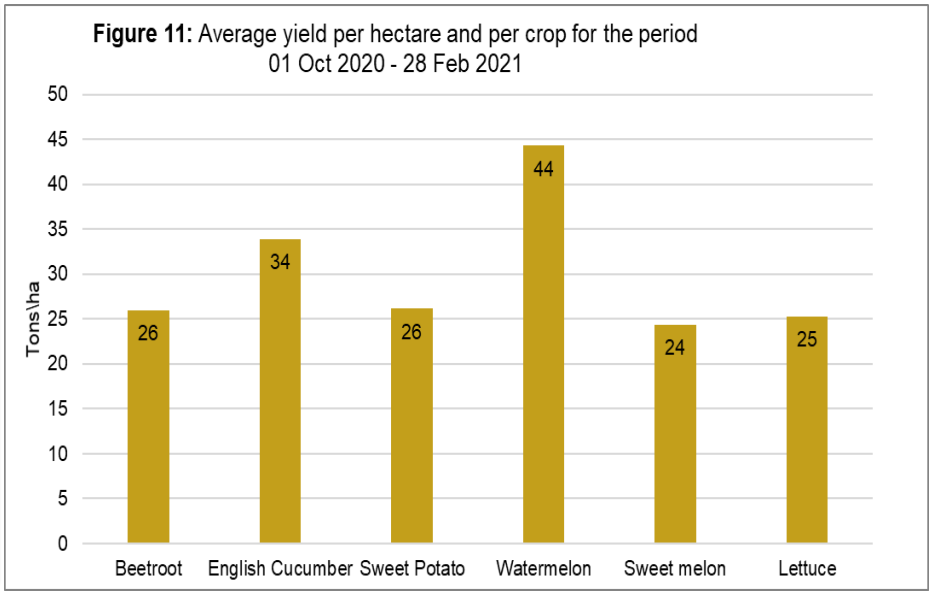


Figure 11: Average yield per hectare and per crop for the period 01 Oct 2020 - 28 Feb 2021



Source: NAB 2020

7. CONCLUSION and RECOMENDATIONS

The report clear indicates that there will be sufficient local supply of English Cucumber, Watermelon, Sweet melon and Beetroots, except the large size **(refer to table 3, figure 3 and figure 5)**. Therefore, import restriction will be implemented for Beetroot except the large size and Sweet Potatoes, Watermelon and Sweet melon will be open on pro rata basis for the special import permit period 1-31 October 2020. Further import restriction will be implemented during the reporting period; however, this will be based on updated production data from the producers. Therefore, producers are encouraged to immediately notify NAB in case of deviations from their cropping program or in the event of crop failure due to factors beyond their control.

Traders are encouraged to contact the local producers to arrange for their local purchases. On the other hand, sufficient volumes of Watermelon, and Sweet melon, are expected as from mid-October onwards because it is summer crops.

Furthermore, Lettuce is currently a monitored crop only and therefore in order for this crop to be added as a special controlled crop in future producers are encouraged to take the opportunity to increase local production, and meet the domestic demand every month.

It is therefore recommended that the border will be open on prorata basis for Sweet potatoes,Watermelon and Sweet melon due to the fact that most producer will only be in full production as from the 25th October 2020 with the sumer crops(Watermelon and Sweet melons). Whereas **Beetroots only large size (catering size) will be open for importation on pro-lata**. This is because there is low supply of large size beetroots in the local market, suggesting that, there is a huge scope for large size beetroot production in the local market**.**

>>>END<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<