



**Beetroot**



**English Cucumber**



**Sweet Potato**



**Watermelon**



**Sweet melon**



**Lettuce**



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## **HORTICULTURE: VEGETABLES PRODUCTION FORECAST**

### **REPORT NO 3**

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### **FORECASTED PERIOD:**

**01 SEPTEMBER 2020 TO 31 January 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 (5) special controlled products** i.e. **Beetroot, English Cucumber, Sweet Potato, Watermelon and Sweet melon** as well as **one (1) 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 1A: Monthly expected production per area, per crop for the period 01 Sep 2020 - 31 Jan 2020 |                   |        |        |        |        |        |        |        |        |        |        |                                 |                    |
|---|-------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------------------------------|--------------------|
| Numbers in the table below represents tonnage expected to harvested for local and export market   |                   |        |        |        |        |        |        |        |        |        |        | Last updated: 21 Aug 2020       |                    |
| PRODUCTION AREAS  | CROPS             | Sep-20 |        | Oct-20 |        | Nov-20 |        | Dec-20 |        | Jan-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    | 22.7   | 0.0    | 5.0    | 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          | 2.8    | 0.0    | 1.7    | 0.0    | 2.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 10.36                           | 0.53               |
|   | 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    | 0.2    | 0.0    | 0.0    | 0.0    | 30.0   | 0.0    | 0.0    | 0.0    | 41.33                           | 1.83               |
|   | Watermelon        | 0.0    | 0.0    | 26.1   | 0.0    | 317.3  | 0.0    | 207.8  | 0.0    | 0.0    | 0.0    | 551.23                          | 15.31              |
|   | 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          | 6.9    | 0.0    | 0.5    | 0.0    | 4.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 11.35                           | 0.87               |
|   | 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    | 118.6  | 0.0    | 155.7  | 0.0    | 107.8  | 0.0    | 6.6    | 0.0    | 3.6    | 0.0    | 392.33                          | 18.83              |
|   | Watermelon        | 110.0  | 0.0    | 524.4  | 0.0    | 162.5  | 0.0    | 13.2   | 0.0    | 0.0    | 0.0    | 810.07                          | 24.11              |
|   | Sweetmelon        | 37.2   | 0.0    | 39.3   | 0.0    | 7.5    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 84.00                           | 2.99               |
|   | 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          | 105.0 | 0.0 | 95.0  | 0.0  | 146.0  | 0.0  | 118.0  | 0.0  | 118.0 | 0.0 | 582.00  | 22.90 |
|  | 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    | 0.0   | 0.0 | 0.0   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  | 5.0   | 0.0 | 0.00    | 0.20  |
|  | Watermelon        | 0.0   | 0.0 | 50.0  | 0.0  | 208.0  | 0.0  | 398.0  | 0.0  | 160.0 | 0.0 | 816.00  | 17.50 |
|  | Sweetmelon        | 0.0   | 0.0 | 80.0  | 0.0  | 80.0   | 0.0  | 40.0   | 0.0  | 0.0   | 0.0 | 200.00  | 5.00  |
|  | Lettuce           | 29.5  | 0.0 | 29.5  | 0.0  | 29.5   | 0.0  | 29.5   | 0.0  | 29.5  | 0.0 | 152.50  | 5.75  |
| CENTRAL  | Beetroot          | 15.0  | 0.0 | 0.0   | 0.0  | 30.0   | 0.0  | 0.0    | 0.0  | 0.0   | 0.0 | 45.00   | 1.34  |
|  | English Cucumbers | 73.3  | 0.0 | 63.3  | 0.0  | 28.3   | 0.0  | 38.3   | 0.0  | 28.3  | 0.0 | 231.50  | 6.70  |
|  | 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  | 0.0    | 0.0  | 0.0    | 0.0  | 0.0   | 0.0 | 10.00   | 0.20  |
|  | Sweetmelon        | 0.0   | 0.0 | 0.0   | 0.0  | 0.0    | 0.0  | 5.0    | 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<br>ORANGE RIVER                          | Beetroot          | 5.0   | 0.0 | 0.0   | 0.0  | 15.0   | 0.0  | 10.0   | 0.0  | 0.0   | 0.0 | 30.00   | 1.35  |
|  | 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  | 30.0  | 0.0 | 75.00   | 4.25  |
|  | Watermelon        | 0.0   | 0.0 | 268.0 | 0.0  | 420.0  | 0.0  | 620.0  | 0.0  | 240.0 | 0.0 | 1548.00 | 33.76 |
|  | Sweetmelon        | 4.5   | 0.0 | 54.5  | 20.0 | 224.0  | 20.0 | 264.0  | 20.0 | 40.0  | 0.0 | 647.00  | 27.26 |
|  | Lettuce           | 23.5  | 0.0 | 23.5  | 0.0  | 5.5    | 0.0  | 5.5    | 0.0  | 5.5   | 0.0 | 57.50   | 1.90  |
|  |                   |       |     |       |      |        |      |        |      |       |     |         |       |
| Total expected<br>production per<br>crop per month | Beetroot          | 134.6 | 0.0 | 97.2  | 0.0  | 197.1  | 0.0  | 128.0  | 0.0  | 118.0 | 0.0 | 678.85  | 27.00 |
|  | English Cucumbers | 73.3  | 0.0 | 63.3  | 0.0  | 28.3   | 0.0  | 38.3   | 0.0  | 28.3  | 0.0 | 231.50  | 6.70  |
|  | Sweet Potatoes    | 138.5 | 0.0 | 156.0 | 0.0  | 107.8  | 0.0  | 66.6   | 0.0  | 38.6  | 0.0 | 509.91  | 25.41 |
|  | Watermelon        | 115.0 | 0.0 | 891.2 | 0.0  | 1112.8 | 0.0  | 1239.0 | 0.0  | 400.0 | 0.0 | 3768.02 | 91.71 |
|  | Sweetmelon        | 41.7  | 0.0 | 173.8 | 20.0 | 311.5  | 20.0 | 309.0  | 20.0 | 40.0  | 0.0 | 936.00  | 35.45 |
|  | Lettuce           | 98.0  | 0.0 | 98.8  | 0.0  | 80.0   | 0.0  | 80.0   | 0.0  | 80.0  | 0.0 | 410.75  | 15.70 |

Source: NAB 2020

### 3. EXPECTEDCTED AVAILABILITY PER PRODUCER

Table 2 below, shows crops expected to be available per producer per production zone during the reporting period for the five (5) special controlled crops and one (1) monitored crop (i.e. lettuce). See table 2 below for detailed information.















| TABLE: 2  |                                      |                            |                            |             |                  |   |            |             |              |          |                  |              |   |             |   |  |                  |              |            |             |         |          |                  |              |            |             |         |          |                  |              |            |             |         |
|---|--------------------------------------|----------------------------|----------------------------|-------------|------------------|---|------------|-------------|--------------|----------|------------------|--------------|---|-------------|---|--|------------------|--------------|------------|-------------|---------|----------|------------------|--------------|------------|-------------|---------|----------|------------------|--------------|------------|-------------|---------|
| KEYS : BEETROOT  ENGLISH CUCUMBER  SWEET POTATO  WATERMELON  SWEETMELON  LETTUCE  |                                      |                            |                            |             |                  |   |            |             |              |          |                  |              |   |             |   |  |                  |              |            |             |         |          |                  |              |            |             |         |          |                  |              |            |             |         |
| PERIOD: 01 Sep 2020 TO 31 Jan 2021  |                                      |                            |                            |             |                  |   |            |             |              |          |                  |              |   |             |   |  |                  |              |            |             |         |          |                  |              |            |             |         |          |                  |              |            |             |         |
|   | MARKET                               |                            |                            | 1-15 Sep-20 |                  |   |            |             | 16-30 Sep-20 |          |                  |              |   | Oct-20      |   |  |                  |              | Nov-20     |             |         |          |                  | Dec-20       |            |             |         |          | Jan-21           |              |            |             |         |
| NAME OF PRODUCER  | I<br>n<br>f<br>o<br>r<br>m<br>a<br>l | F<br>o<br>r<br>m<br>a<br>l | E<br>x<br>p<br>o<br>r<br>t | 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  | √                                    | √                          |                            |             |                  |   |            |             |              |          |                  |              |   |             |  |  |                  |              |            |             |         |          |                  |              |            |             |         |          |                  |              |            |             |         |

Table 2 continues.

| KAVANGO AREA |                     |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|--------------|---------------------|---|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 1            | Eleuteria Kapepo    | ✓ | ✓ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2            | Laurentia Nkandanga | ✓ | ✓ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 3            | Felismina Kaumba    | ✓ | ✓ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 4            | Ehregadius Kauma    | ✓ | ✓ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5            | Kasiku Ihemba       | ✓ | ✓ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 6            | Maria Mavaya        | ✓ | ✓ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 7            | Theresia Ambrosius  | ✓ | ✓ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8            | Elizabeth Masedo    | ✓ | ✓ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 9            | Rosa Musenge        | ✓ | ✓ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 10           | Anastacia Flai      | ✓ | ✓ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 11           | Virginia Mukoya     | ✓ | ✓ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 12           | Christine Mudi      | ✓ | ✓ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 13           | Eunike Ntjamba      | ✓ | ✓ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 14           | Patson Mbenjani     | ✓ | ✓ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 15           | David Petrus        | ✓ | ✓ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 16           | Naas Coetze         | ✓ | ✓ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 17           | August Porot        | ✓ | ✓ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 18           | Lameck Nanghalu     | ✓ | ✓ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 19           | Sallome Mukuya      | ✓ | ✓ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 20           | Anastacia Sifire    | ✓ | ✓ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 21           | Sakaria Shilyomuntu | ✓ | ✓ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 22           | Filipus Imene       | ✓ | ✓ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 23           | Abia Hango          | ✓ | ✓ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 24           | Titus Ndipashimwe   | ✓ | ✓ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 25           | Charity Siseho      | ✓ | ✓ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 26           | Ignatius Hamupembe  | ✓ | ✓ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 27           | Boysen Mutelo       | ✓ | ✓ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 28           | Thephilie Liyando   | ✓ | ✓ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 29           | Muronga Mayira      | ✓ | ✓ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30           | Irma Shifura        | ✓ | ✓ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

Table 2 continues....

| NORTH CENTRAL AREA |                     |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|--------------------|---------------------|---|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 1                  | Paulus Ilonga Kapia | √ | √ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2                  | Johaness Kalenga    | √ | √ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 3                  | Loide Ikeinge       | √ | √ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 4                  | Ferdinard Vakola    | √ | √ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5                  | Lukas Mushishi      | √ | √ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 6                  | Petrus Shimbulu     | √ | √ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 7                  | Maria Elungu        | √ | √ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8                  | Theresia Angula     | √ | √ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 9                  | Elizabeth Nakale    | √ | √ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 10                 | Monika Taapopi      | √ | √ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 11                 | Naftali Moses       | √ | √ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 12                 | Rassie Erasmus      | √ | √ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 13                 | Andrease Shipahu    | √ | √ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 14                 | Selma Eino          | √ | √ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 15                 | Paulus Kapuka       | √ | √ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 16                 | Beatriks Aukongo    | √ | √ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 17                 | Shetuuka Shetuuka   | √ | √ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 18                 | Theophelus Ekandjo  | √ | √ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 19                 | Abel Ashimbanga     | √ | √ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 20                 | Chrisna Nakayale    | √ | √ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 21                 | Andreas Ashimbanga  | √ | √ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

Table 2 continues..





[illegible]

Table 2 continues....

| 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 | ✓ | ✓ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 9  | Jacques Cotzee      | ✓ | ✓ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 10   | Danie Marais        | ✓ | ✓ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 11   | Lonie Hart          | ✓ | ✓ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 12   | Verip Zeraeua       | ✓ | ✓ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 13   | Jaco Thomas         | ✓ | ✓ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 14   | Fritz Krosjik       | ✓ | ✓ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| SOUTH AND ORANGE RIVER AREAS   |                     |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1  | Hermanny 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    | ✓ | ✓ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 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

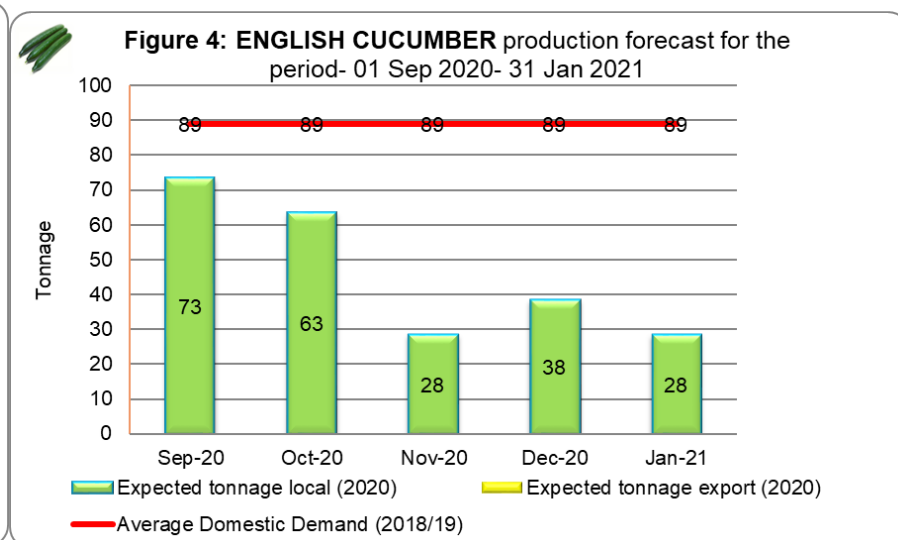
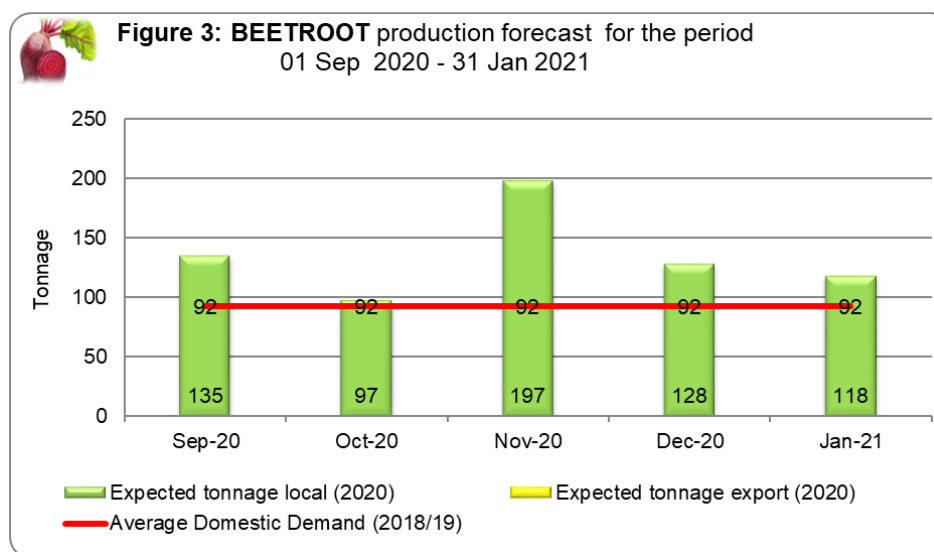
According to table 3, only beetroots and lettuce will be in sufficient supply during the forecasted period. The remainder crops will be insufficient to meet domestic use and hence, import supplementation will be required.

| 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 Aug 2020   |  |            |            |            |             |             |             |
| Crops   | Expected <b>Surplus</b> or <b>Shortage</b> | Sep-20     | Oct-20     | Nov-20     | Dec-20      | Jan-21      | Total       |
| <b>Beetroot</b>   | Expected Tonnage for domestic market       | 135        | 97         | 197        | 128         | 118         | <b>675</b>  |
|   | Average Domestic Demand (2018/19)          | 92         | 92         | 92         | 92          | 92          | <b>460</b>  |
|   | <b>Surplus / shortage</b> (Tonnage)        | <b>43</b>  | <b>5</b>   | <b>105</b> | <b>36</b>   | <b>26</b>   | <b>215</b>  |
| <b>English Cucumber</b>   | Expected Tonnage for domestic market       | 73         | 63         | 28         | 38          | 28          | <b>232</b>  |
|   | Average Domestic Demand (2018/19)          | 89         | 89         | 89         | 89          | 89          | <b>445</b>  |
|   | <b>Surplus / shortage</b> (Tonnage)        | <b>-16</b> | <b>-26</b> | <b>-61</b> | <b>-51</b>  | <b>-61</b>  | <b>-214</b> |
| <b>Sweet Potato</b>   | Expected Tonnage for domestic market       | 138        | 156        | 108        | 67          | 39          | <b>507</b>  |
|   | Average Domestic Demand (2018/19)          | 196        | 196        | 196        | 196         | 196         | <b>980</b>  |
|   | <b>Surplus / shortage</b> (Tonnage)        | <b>-58</b> | <b>-40</b> | <b>-88</b> | <b>-129</b> | <b>-157</b> | <b>-473</b> |
| <b>Watermelon</b>   | Expected Tonnage for domestic market       | 115        | 891        | 1113       | 1239        | 400         | <b>3758</b> |
|   | Average Domestic Demand (2018/19)          | 154        | 154        | 154        | 154         | 154         | <b>770</b>  |
|   | <b>Surplus / shortage</b> (Tonnage)        | <b>-39</b> | <b>737</b> | <b>959</b> | <b>1085</b> | <b>246</b>  | <b>2988</b> |
| <b>Sweet melon</b>  | Expected Tonnage for domestic market       | 42         | 174        | 312        | 309         | 40          | <b>876</b>  |
|   | Average Domestic Demand (2018/19)          | 78         | 78         | 78         | 78          | 78          | <b>390</b>  |
|   | <b>Surplus / shortage</b> (Tonnage)        | <b>-36</b> | <b>96</b>  | <b>234</b> | <b>231</b>  | <b>-38</b>  | <b>486</b>  |
| <b>Lettuce</b>  | Expected Tonnage for domestic market       | 98         | 99         | 80         | 80          | 80          | <b>437</b>  |
|   | Average Domestic Demand (2018/19)          | 39         | 39         | 39         | 39          | 39          | <b>195</b>  |
|   | <b>Surplus / shortage</b> (Tonnage)        | <b>59</b>  | <b>60</b>  | <b>41</b>  | <b>41</b>   | <b>41</b>   | <b>242</b>  |

Source: NAB 2020

## 4.2 GRAPHICAL ANALYSIS

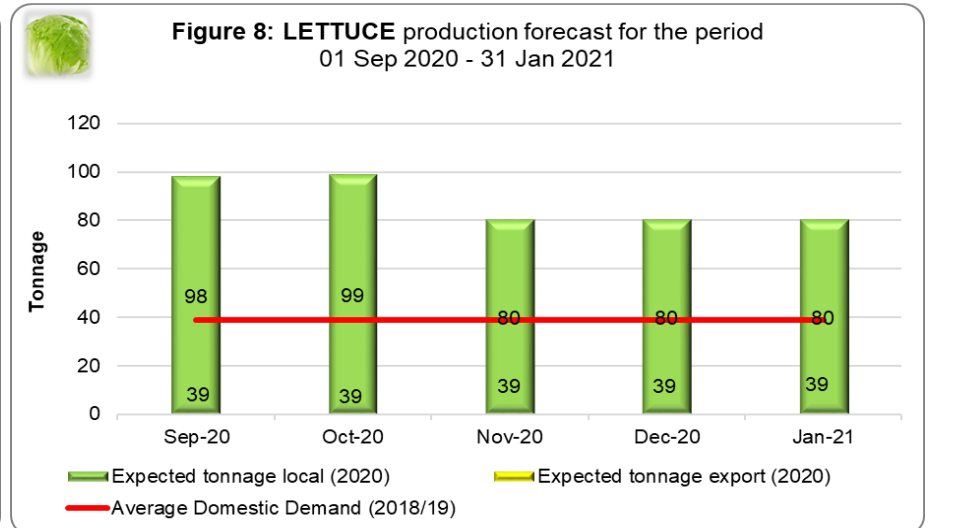
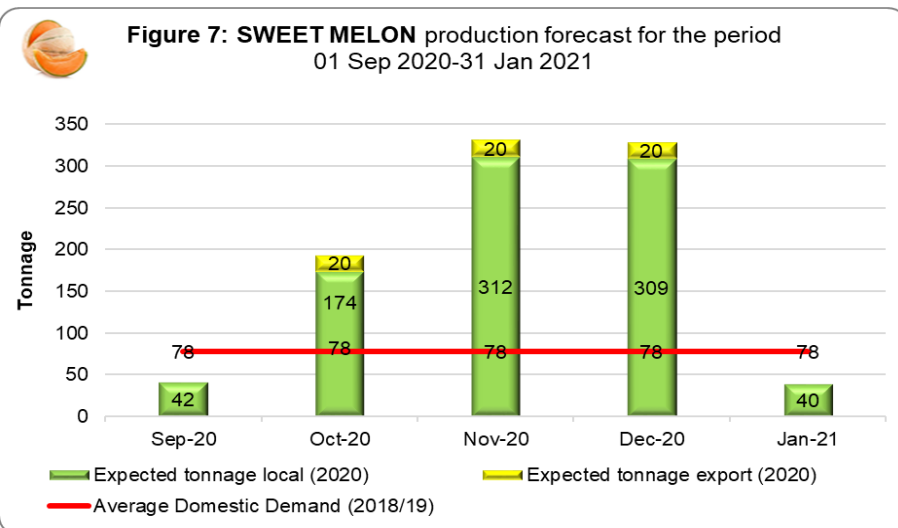
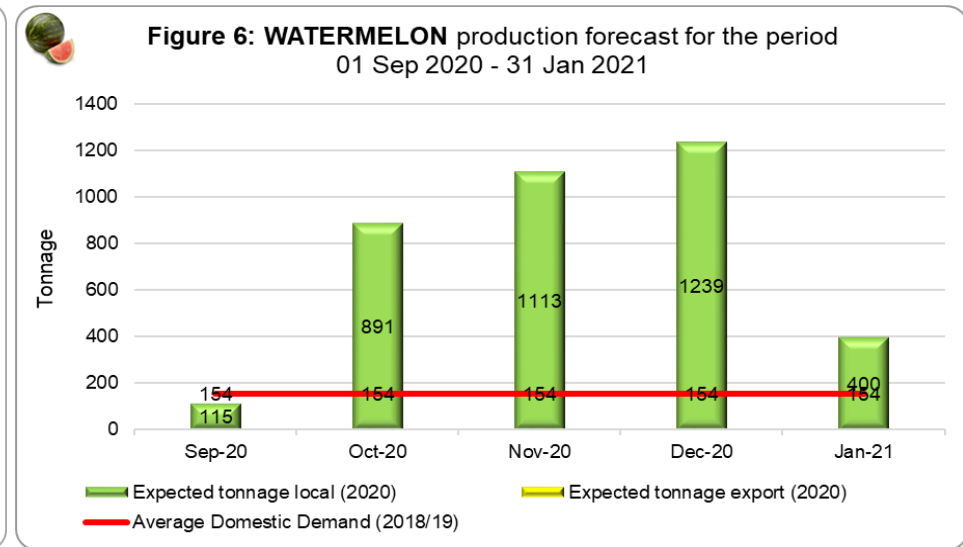
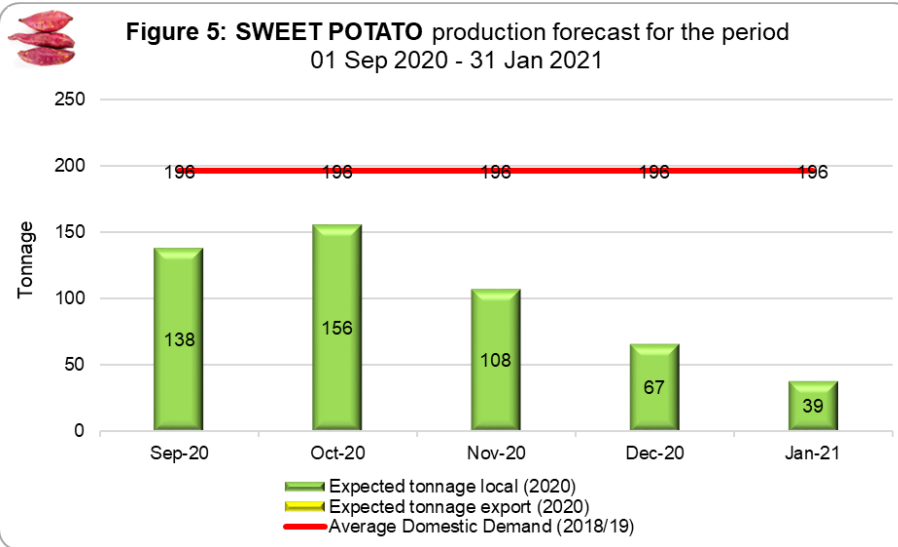
Figure 3 shows that there will be sufficient local supply for Beetroots for the forecasted period. Whereas, Figure 4, 5, 6 and 7 illustrates that there will be insufficient local supply of English Cucumber, Watermelon and Sweet melon during the reporting season. Also, it is projected that some producers will be expected to export sweet melons during October, November and December month, and this will represent 20% of local production. See detailed information in figure 7 below,



Source: NAB,2020

Graphical analysis continues ..

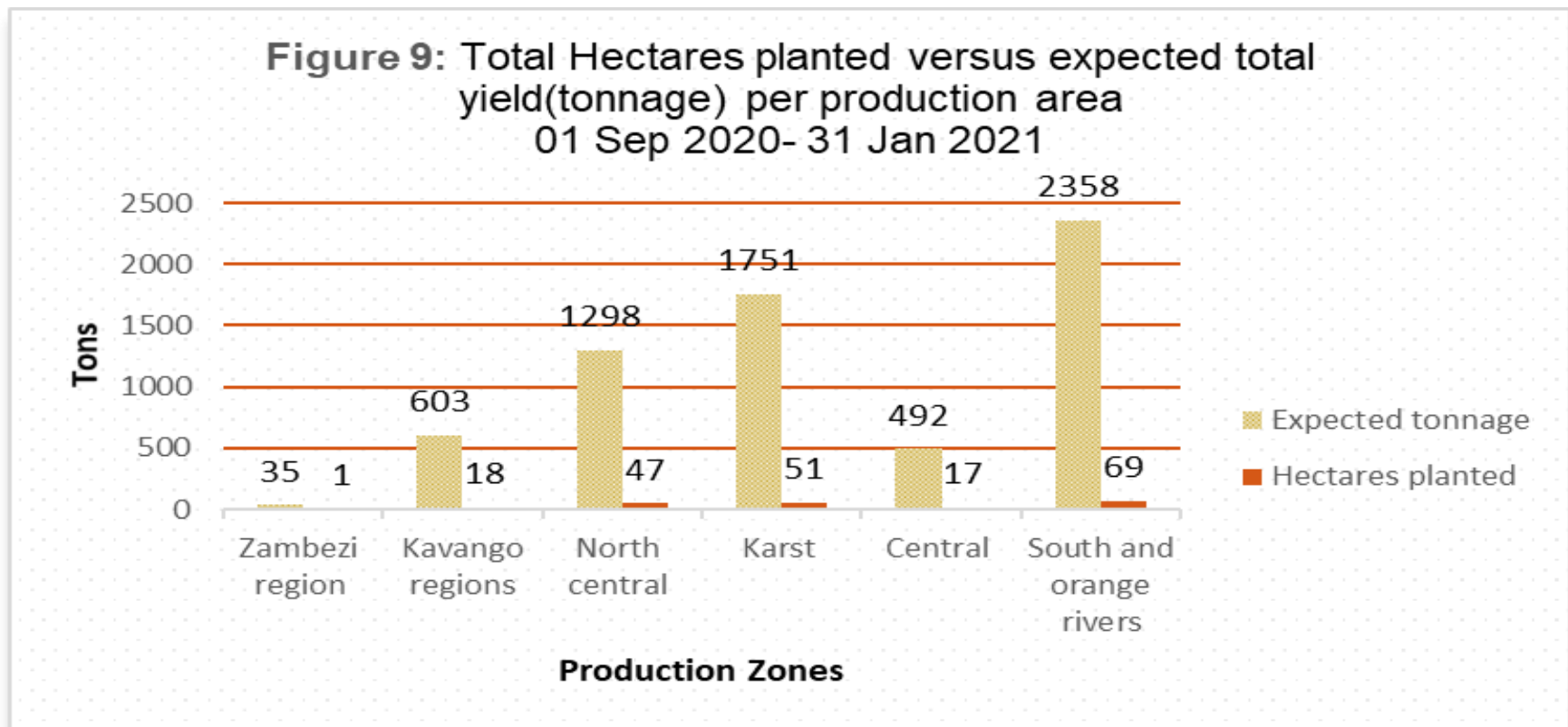
Graphical analysis continues.....



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 figure indicates that South and Orange production zone planted a large number of hectares (69 ha) thus high tonnage (2358 ton) is expected from this production zone. 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.



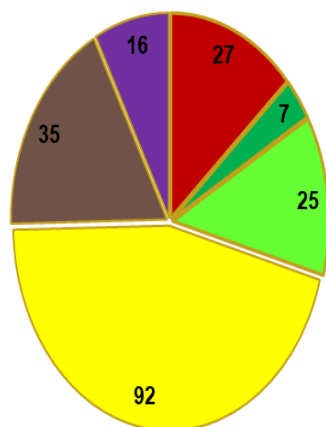
Source: NAB 2020

## 6. HECTARES PLANTED AND AVERAGE YIELD PER CROP

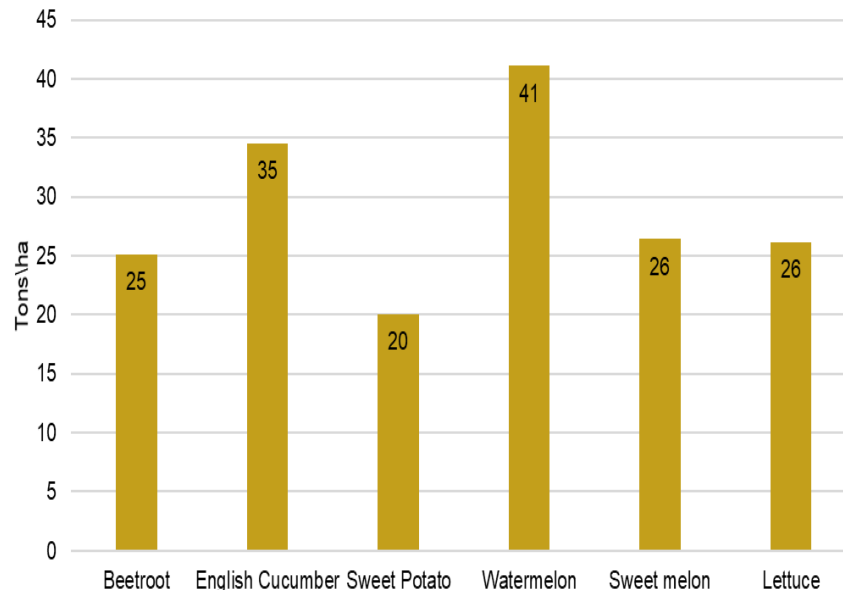
According to figure 10 and 11, Watermelon makes up the biggest hectares planted i.e. 92 ha, and the lowest hectares planted is for English Cucumber i.e.7 ha. In terms of the expected average yield per hectare, it is not comparable because it varies from crop to crop.

**Figure 10:** Hectares expected to be harvested per crop for the period 01 Sep 2020 - 31 Jan 2021

■ Beetroot  
■ English Cucumber  
■ Sweet Potato  
■ Watermelon  
■ Sweet melon  
■ Lettuce



**Figure 11:** Average yield per hectare and per crop for the period 01 Sep 2020 - 31 Jan 2021



Source: NAB 2020

## 7. CONCLUSION and RECOMENDATIONS

Overall, report clearly indicates that there will be sufficient local supply of Beetroots, except the large size (**refer to table 3, figure 3 and figure 5**). Whereas, sufficient volumes of Watermelon, and Sweet melon, are expected as from September onwards because it is summer crop. Therefore, import restriction will be implemented for Beetroot except the large size and Sweet Potatoes will be open on pro rata basis for the special import permit period 1-30 September 2020. Further import restrictions that will be implemented during the reporting period; 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.

Also, traders are encouraged to contact the local producers to arrange for their local purchases. Furthermore, Lettuce is currently a monitored crop and in order for this crop to be added in a special controlled crop list in future, producers are encouraged to take the opportunity by upscaling lettuce production to meet the domestic demand.

Conclusively, it is recommended that the border will be open on prorata basis for Sweet potatoes for all the sizes. Whereas **Beetroots only large size (catering size) will be open for importation.** This is because despite how the local supply for beetroots is sufficient, there will be shortage in local supply for large size beetroots. This suggests that, there is a huge scope for large size beetroot production in the local market.

[illegible]