

**TABLE 2c: QUALITY OF YELLOW MAIZE IMPORTED FROM THE USA FOR THE PERIOD  
1 MAY 2024 TO 30 APRIL 2025**

| Country of origin                                                                  | USA                         |      |                            |         | RSA Crop Quality Average 2023/2024 |      |                            |      |         |
|------------------------------------------------------------------------------------|-----------------------------|------|----------------------------|---------|------------------------------------|------|----------------------------|------|---------|
| Class and Grade Yellow maize                                                       | YM1                         | YM2  | COM                        | Average | YM1                                | YM2  | YM3                        | COM  | Average |
| RSA Grading                                                                        |                             |      |                            |         |                                    |      |                            |      |         |
| Defective kernels above 6.35mm screen, %                                           | 1.8                         | 3.6  | 3.1                        | 3.0     | 1.5                                | 1.7  | 1.9                        | 1.9  | 1.6     |
| Defective kernels below 6.35mm screen, %                                           | 3.1                         | 4.4  | 5.7                        | 4.9     | 2.1                                | 4.9  | 8.9                        | 4.4  | 3.3     |
| Total defective kernels, %                                                         | 4.9                         | 8.0  | 8.9                        | 7.9     | 3.7                                | 6.6  | 10.8                       | 6.2  | 5.0     |
| Other colour maize kernels %                                                       | 0.0                         | 0.0  | 0.0                        | 0.0     | 0.1                                | 0.2  | 0.2                        | 0.3  | 0.1     |
| Foreign matter, % (all matter other than maize, glass, stone, coal, dung or metal) | 0.0                         | 0.2  | 1.1                        | 0.7     | 0.0                                | 0.1  | 0.5                        | 0.7  | 0.2     |
| Combined deviation, %                                                              | 4.9                         | 8.2  | 9.9                        | 8.6     | 3.8                                | 6.9  | 11.4                       | 7.2  | 5.3     |
| No. of samples                                                                     | 1                           | 1    | 3                          | 5       | 299                                | 98   | 27                         | 58   | 482     |
| USA Grading factors according to RSA grades                                        |                             |      |                            |         |                                    |      |                            |      |         |
| Heat damaged kernels, %                                                            | 0.0                         | 0.3  | 0.4                        | 0.3     | 0.0                                | 0.0  | 0.0                        | 0.0  | 0.0     |
| Total damaged kernels, %                                                           | 1.8                         | 3.9  | 3.5                        | 3.3     | 2.3                                | 2.4  | 2.6                        | 3.1  | 2.4     |
| Broken corn and foreign material, %                                                | 0.9                         | 2.3  | 3.0                        | 2.4     | 0.5                                | 1.1  | 1.6                        | 1.7  | 0.8     |
| No. of samples                                                                     | 1                           | 1    | 3                          | 5       | 299                                | 98   | 27                         | 58   | 482     |
| Physical Quality Characteristics                                                   |                             |      |                            |         |                                    |      |                            |      |         |
| 100 Kernel mass, g (as is)                                                         | 37.3                        | 29.9 | 29.1                       | 30.9    | 30.1                               | 26.3 | 24.1                       | 27.9 | 28.7    |
| Stress cracks, %                                                                   | 10                          | 3    | 5                          | 6       | 5                                  | 4    | 3                          | 6    | 5       |
| Milling Index                                                                      | 54                          | 83   | 75                         | 72      | 77                                 | 75   | 74                         | 76   | 76      |
| Grit Yield                                                                         | 59                          | 66   | 64                         | 63      | 64                                 | 64   | 63                         | 64   | 64      |
| Test weight, kg/hl                                                                 | 74.9                        | 75.4 | 74.7                       | 74.9    | 76.2                               | 74.9 | 74.5                       | 74.6 | 75.7    |
| No. of samples                                                                     | 1                           | 1    | 3                          | 5       | 299                                | 98   | 27                         | 58   | 482     |
|                                                                                    |                             |      |                            |         |                                    |      |                            |      |         |
| Kernel size                                                                        |                             |      |                            |         |                                    |      |                            |      |         |
| % above 10 mm                                                                      | 3.0                         | 2.0  | 3.1                        | 2.9     | 7.0                                | 3.0  | 3.0                        | 5.6  | 5.8     |
| % above 8 mm                                                                       | 69.3                        | 47.5 | 56.1                       | 57.0    | 60.4                               | 49.8 | 42.6                       | 58.0 | 57.0    |
| % below 8 mm                                                                       | 27.8                        | 50.5 | 41.4                       | 40.5    | 32.6                               | 47.1 | 54.4                       | 36.4 | 37.2    |
| No. of samples                                                                     | 1                           | 1    | 3                          | 5       | 299                                | 98   | 27                         | 58   | 482     |
|                                                                                    |                             |      |                            |         |                                    |      |                            |      |         |
| Breakage susceptibility                                                            |                             |      |                            |         |                                    |      |                            |      |         |
| % below 6.35 mm                                                                    | 0.2                         | 0.0  | 0.2                        | 0.2     | 1.0                                | 1.4  | 1.4                        | 1.2  | 1.1     |
| % below 4.75 mm                                                                    | 1.8                         | 0.4  | 0.8                        | 0.9     | 0.8                                | 0.9  | 0.9                        | 0.8  | 0.8     |
| No. of samples                                                                     | 1                           | 1    | 3                          | 5       | 299                                | 98   | 27                         | 58   | 482     |
| Nutritional Factors                                                                |                             |      |                            |         |                                    |      |                            |      |         |
| Protein, %(db)                                                                     | 8.3                         | 9.3  | 9.1                        | 9.0     | 9.2                                | 9.4  | 9.6                        | 9.5  | 9.3     |
| Fat, %(db)                                                                         | 3.9                         | 4.1  | 4.1                        | 4.0     | 3.9                                | 3.8  | 3.8                        | 3.8  | 3.9     |
| Starch, %(db)                                                                      | 74.5                        | 74.6 | 73.1                       | 73.7    | 73.6                               | 73.5 | 73.2                       | 73.2 | 73.5    |
| Crude fibre, % (db)                                                                | 2.0                         | 2.0  | 2.0                        | 2.0     | 2.2                                | 2.2  | 2.3                        | 2.2  | 2.2     |
| No. of samples                                                                     | 1                           | 1    | 3                          | 5       | 299                                | 98   | 27                         | 58   | 482     |
| Mycotoxins (µg/kg)                                                                 |                             |      |                            |         |                                    |      |                            |      |         |
| Aflatoxin B <sub>1</sub> [max. value]                                              | Average of positive results |      | Number of positive results |         | Average of positive results        |      | Number of positive results |      |         |
| Aflatoxin B <sub>2</sub> [max. value]                                              | 0 [0]                       |      | 0                          |         | 19 [ 19]                           |      | 1                          |      |         |
| Aflatoxin G <sub>1</sub> [max. value]                                              | 0 [0]                       |      | 0                          |         | 26 [26]                            |      | 1                          |      |         |
| Aflatoxin G <sub>2</sub> [max. value]                                              | 0 [0]                       |      | 0                          |         | 0 [0]                              |      | 0                          |      |         |
| Fumonisin B <sub>1</sub> [max. value]                                              | 771 [894]                   |      | 2                          |         | 168 [927]                          |      | 37                         |      |         |
| Fumonisin B <sub>2</sub> [max. value]                                              | 162 [168]                   |      | 2                          |         | 66 [351]                           |      | 26                         |      |         |
| Fumonisin B <sub>3</sub> [max. value]                                              | 86 [127]                    |      | 2                          |         | 50 [70]                            |      | 6                          |      |         |
| Deoxynivalenol [max. value]                                                        | 354 [524]                   |      | 2                          |         | 230 [741]                          |      | 34                         |      |         |
| 15-ADON [max. value]                                                               | 0 [0]                       |      | 0                          |         | 163 [262]                          |      | 3                          |      |         |
| Ochratoxin A [max. value]                                                          | 0 [0]                       |      | 0                          |         | 0 [0]                              |      | 0                          |      |         |
| Zearalenone [max. value]                                                           | 0 [0]                       |      | 0                          |         | 62 [113]                           |      | 5                          |      |         |
| HT2 [max. value]                                                                   | 0 [0]                       |      | 0                          |         | 34 [34]                            |      | 1                          |      |         |
| T2 [max. value]                                                                    | 0 [0]                       |      | 0                          |         | 0 [0]                              |      | 0                          |      |         |
| No. of samples                                                                     | 2                           |      |                            |         | 168                                |      |                            |      |         |