

**TABLE 4: GRADING QUALITY OF SOUTH AFRICAN
WHITE AND YELLOW MAIZE 2004/05 - 2013/14**

| Season | Number of samples | % Defective kernels above 6.35 mm sieve | | | % Defective kernels below 6.35 mm sieve | | | % Foreign matter | | | % Other colour | | | % Total deviations | | |
|-------------------------------|-------------------|---|------------|-------------|---|------------|-------------|------------------|------------|------------|----------------|------------|-------------|--------------------|------------|-------------|
| | | ave. | min. | max. | ave. | min. | max. | ave. | min. | max. | ave. | min. | max. | ave. | min. | max. |
| White Maize | | | | | | | | | | | | | | | | |
| 2004/05 | 601 | 3.5 | 0.5 | 28.5 | 1.9 | 0.1 | 16.4 | 0.2 | 0.0 | 0.5 | 0.3 | 0.0 | 12.3 | 5.9 | 1.3 | 31.1 |
| 2005/06 | 593 | 6.0 | 0.5 | 27.9 | 1.8 | 0.0 | 8.8 | 0.2 | 0.0 | 0.7 | 0.3 | 0.0 | 5.0 | 8.3 | 1.0 | 31.2 |
| 2006/07 | 563 | 2.9 | 0.1 | 34.9 | 2.0 | 0.1 | 11.6 | 0.1 | 0.0 | 0.7 | 0.2 | 0.0 | 13.5 | 5.3 | 0.4 | 38.8 |
| 2007/08 | 483 | 2.0 | 0.3 | 13.6 | 1.6 | 0.0 | 10.3 | 0.2 | 0.0 | 0.7 | 0.2 | 0.0 | 5.2 | 3.9 | 0.5 | 18.5 |
| 2008/09 | 483 | 2.6 | 0.4 | 16.9 | 1.6 | 0.0 | 5.5 | 0.2 | 0.0 | 4.0 | 0.2 | 0.0 | 5.0 | 4.5 | 1.0 | 20.2 |
| 2009/10 | 458 | 5.1 | 1.0 | 40.1 | 1.5 | 0.2 | 14.0 | 0.1 | 0.0 | 0.4 | 0.2 | 0.0 | 6.5 | 6.9 | 1.4 | 41.4 |
| 2010/11 | 413 | 5.2 | 0.5 | 67.1 | 1.8 | 0.1 | 13.3 | 0.2 | 0.0 | 0.8 | 0.4 | 0.0 | 23.2 | 7.5 | 0.9 | 95.1 |
| 2011/12 | 577 | 2.5 | 0.3 | 21.6 | 2.0 | 0.0 | 8.1 | 0.1 | 0.0 | 1.1 | 0.3 | 0.0 | 43.7 | 5.0 | 0.7 | 51.2 |
| 2012/13 | 508 | 2.6 | 0.0 | 20.8 | 2.0 | 0.2 | 11.4 | 0.1 | 0.0 | 1.5 | 0.3 | 0.0 | 6.5 | 4.9 | 1.0 | 22.4 |
| 2013/14 | 451 | 4.6 | 0.6 | 24.7 | 1.7 | 0.1 | 9.8 | 0.1 | 0.0 | 4.5 | 0.4 | 0.0 | 9.2 | 6.8 | 1.9 | 29.2 |
| Weighted Average | | 3.7 | | | 1.8 | | | 0.2 | | | 0.3 | | | 5.9 | | |
| Minimum | | | 0.0 | | | 0.0 | | | 0.0 | | | 0.0 | | | 0.4 | |
| Maximum | | | | 67.1 | | | 16.4 | | | 4.5 | | | 43.7 | | | 95.1 |
| Yellow Maize | | | | | | | | | | | | | | | | |
| 2004/05 | 399 | 4.0 | 0.6 | 27.2 | 2.3 | 0.3 | 9.4 | 0.2 | 0.0 | 0.6 | 0.1 | 0.0 | 2.8 | 6.6 | 1.0 | 31.5 |
| 2005/06 | 307 | 5.5 | 0.8 | 23.7 | 2.0 | 0.0 | 9.8 | 0.2 | 0.0 | 0.4 | 0.4 | 0.0 | 16.7 | 8.1 | 1.3 | 32.7 |
| 2006/07 | 337 | 2.8 | 0.0 | 67.7 | 2.5 | 0.2 | 17.3 | 0.2 | 0.0 | 1.9 | 0.2 | 0.0 | 4.6 | 5.7 | 0.9 | 70.0 |
| 2007/08 | 417 | 1.6 | 0.3 | 8.4 | 2.0 | 0.2 | 7.3 | 0.1 | 0.0 | 0.4 | 0.1 | 0.0 | 4.3 | 3.9 | 0.6 | 11.0 |
| 2008/09 | 327 | 2.3 | 0.5 | 15.1 | 2.0 | 0.0 | 10.6 | 0.2 | 0.0 | 3.1 | 0.2 | 0.0 | 13.3 | 4.7 | 0.9 | 29.6 |
| 2009/10 | 342 | 5.1 | 0.3 | 23.8 | 1.9 | 0.1 | 12.9 | 0.2 | 0.0 | 4.1 | 0.1 | 0.0 | 4.2 | 7.2 | 0.6 | 25.0 |
| 2010/11 | 280 | 4.7 | 0.8 | 30.9 | 2.1 | 0.1 | 9.6 | 0.2 | 0.0 | 0.4 | 0.2 | 0.0 | 6.2 | 7.2 | 1.3 | 36.9 |
| 2011/12 | 423 | 2.5 | 0.4 | 66.3 | 2.5 | 0.2 | 22.9 | 0.1 | 0.0 | 3.6 | 0.2 | 0.0 | 5.6 | 5.2 | 1.0 | 90.4 |
| 2012/13 | 492 | 2.0 | 0.2 | 23.1 | 2.5 | 0.1 | 14.0 | 0.1 | 0.0 | 1.8 | 0.2 | 0.0 | 8.4 | 4.8 | 0.8 | 25.0 |
| 2013/14 | 479 | 4.0 | 0.5 | 32.3 | 2.1 | 0.1 | 10.5 | 0.1 | 0.0 | 1.9 | 0.2 | 0.0 | 7.8 | 6.4 | 1.7 | 33.7 |
| Weighted Average | | 3.3 | | | 2.2 | | | 0.2 | | | 0.2 | | | 5.9 | | |
| Minimum | | | 0.0 | | | 0.0 | | | 0.0 | | | 0.0 | | | 0.6 | |
| Maximum | | | | 67.7 | | | 22.9 | | | 4.1 | | | 16.7 | | | 90.4 |
| White and Yellow Maize | | | | | | | | | | | | | | | | |
| 2004/05 | 1000 | 3.7 | 0.5 | 28.5 | 2.1 | 0.1 | 16.4 | 0.2 | 0.0 | 0.6 | 0.2 | 0.0 | 12.3 | 6.2 | 1.0 | 31.5 |
| 2005/06 | 900 | 5.9 | 0.5 | 27.9 | 1.9 | 0.0 | 9.8 | 0.2 | 0.0 | 0.7 | 0.3 | 0.0 | 16.7 | 8.2 | 1.0 | 32.7 |
| 2006/07 | 900 | 2.9 | 0.0 | 67.7 | 2.2 | 0.1 | 17.3 | 0.2 | 0.0 | 1.9 | 0.2 | 0.0 | 13.5 | 5.4 | 0.4 | 70.0 |
| 2007/08 | 900 | 1.8 | 0.3 | 13.6 | 1.8 | 0.0 | 10.3 | 0.1 | 0.0 | 0.7 | 0.1 | 0.0 | 5.2 | 3.9 | 0.5 | 18.5 |
| 2008/09 | 810 | 2.5 | 0.4 | 16.9 | 1.8 | 0.0 | 10.6 | 0.2 | 0.0 | 4.0 | 0.2 | 0.0 | 13.3 | 4.6 | 0.9 | 29.6 |
| 2009/10 | 800 | 5.1 | 0.3 | 40.1 | 1.7 | 0.1 | 14.0 | 0.1 | 0.0 | 4.1 | 0.2 | 0.0 | 6.5 | 7.1 | 0.6 | 41.4 |
| 2010/11 | 693 | 5.0 | 0.5 | 67.1 | 1.9 | 0.1 | 13.3 | 0.2 | 0.0 | 0.8 | 0.3 | 0.0 | 23.2 | 7.4 | 0.9 | 95.1 |
| 2011/12 | 1000 | 2.5 | 0.3 | 66.3 | 2.2 | 0.0 | 22.9 | 0.1 | 0.0 | 3.6 | 0.3 | 0.0 | 43.7 | 5.1 | 0.7 | 90.4 |
| 2012/13 | 1000 | 2.3 | 0.0 | 23.1 | 2.3 | 0.1 | 14.0 | 0.1 | 0.0 | 1.8 | 0.3 | 0.0 | 8.4 | 4.9 | 0.8 | 25.0 |
| 2013/14 | 930 | 4.3 | 0.5 | 32.3 | 1.9 | 0.1 | 10.5 | 0.1 | 0.0 | 4.5 | 0.3 | 0.0 | 9.2 | 6.6 | 1.7 | 33.7 |
| Weighted Average | | 3.5 | | | 2.0 | | | 0.1 | | | 0.2 | | | 5.9 | | |
| Minimum | | | 0.0 | | | 0.0 | | | 0.0 | | | 0.0 | | | 0.4 | |
| Maximum | | | | 67.7 | | | 22.9 | | | 4.5 | | | 43.7 | | | 95.1 |