

**Table 1: SOUTH AFRICAN MAIZE CROP QUALITY 2012/2013 (Weighted Averages)**

Class and grade of maize	WM1	WM2	WM3	WCOM	YM1	YM2	YM3	YCOM	Weighted Ave.
<b>RSA Grading</b>									
Defective kernels above 6.35 mm sieve, %	2.2	4.8	6.8	3.5	1.7	2.8	4.3	2.0	2.3
Defective kernels below 6.35 mm sieve, %	1.8	3.3	3.6	2.7	1.9	4.4	10.1	3.7	2.3
Total defective kernels, %	3.9	8.0	10.5	6.2	3.6	7.2	14.4	5.7	4.6
Other colour maize kernels, %	0.2	0.8	0.8	0.6	0.1	0.6	0.2	1.6	0.3
Foreign matter, %	0.0	0.1	0.4	1.0	0.0	0.1	0.1	0.9	0.1
Combined deviation, %	4.1	8.9	11.6	7.9	3.8	7.9	14.8	8.2	4.9
Pinked maize kernels, %	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Physical Factors</b>									
Hectolitre mass, kg/hl	78.4	77.5	77.5	76.9	77.0	75.6	72.1	74.9	77.4
100 Kernel mass, g	29.8	29.0	26.7	29.3	29.5	25.0	21.5	25.5	29.0
Stress cracks, %	4	6	4	4	5	5	5	6	5
Milling Index	97.0	97.0	98.7	95.9	93.5	94.0	79.7	93.1	95.1
<b>Kernel Size</b>									
% on top 10 mm	15.2	14.8	13.6	15.2	10.9	5.7	3.6	8.1	12.5
% on top 8 mm	65.6	61.2	61.2	68.0	63.7	55.8	39.8	56.8	63.4
% through 8 mm	19.3	24.0	25.2	16.8	25.4	38.6	56.6	35.0	24.2
<b>Breakage susceptibility</b>									
% Below 6.35 mm sieve	1.0	1.6	1.3	1.1	1.6	2.1	2.7	1.6	1.4
% Below 4.75 mm sieve	0.7	1.0	0.7	0.8	1.1	1.2	1.3	1.0	0.9
<b>Nutritional Values</b>									
Protein, %	9.1	9.3	9.4	9.5	9.1	9.6	10.0	9.9	9.2
Fat, % (db)	4.1	4.1	3.9	4.4	3.9	3.8	3.6	3.9	4.0
Starch, % (db)	71.4	71.5	71.6	71.1	71.8	71.9	72.3	71.8	71.6
<b>Number of samples</b>	<b>431</b>	<b>60</b>	<b>13</b>	<b>4</b>	<b>387</b>	<b>80</b>	<b>12</b>	<b>13</b>	<b>1 000</b>
<b>Mycotoxins</b>									
Total Aflatoxin, µg/kg (ppb) [max. value]	0 [0]	0 [0]	0 [0]	0 [0]	0 [0]	0 [0]	-	0 [0]	0 [0]
Total Fumonisin, µg/kg (ppb) [max. value]	241 [1600]	454	0 [0]	0 [0]	163 [3017]	848 [4395]	-	128 [256]	257 [4395]
Deoxynivalenol, µg/kg (ppb) [max. value]	18 [241]	88 [617]	241 [241]	0 [0]	10 [184]	0 [<100]	-	<100 [<100]	21 [617]
15-ADON, µg/kg (ppb) [max. value]	0 [<50]	12 [82]	<50 [<50]	0 [0]	0 [0]	0 [0]	-	0 [0]	1 [82]
Ochratoxin A, µg/kg (ppb) [max. value]	0 [0]	0 [0]	0 [0]	0 [0]	0 [0]	0 [0]	-	0 [0]	0 [0]
Zearalenone, µg/kg (ppb) [max. value]	0 [20]	6 [41]	0 [0]	0 [0]	0 [0]	0 [0]	-	0 [0]	1 [41]
HT-2 Toxin, µg/kg (ppb) [max. value]	0 [0]	0 [0]	0 [0]	72 [72]	0 [0]	0 [0]	-	0 [0]	1 [72]
T - 2 Toxin, µg/kg (ppb) [max. value]	0 [0]	0 [0]	0 [0]	232 [232]	0 [0]	0 [0]	-	0 [0]	2 [232]
<b>Number of samples</b>	<b>47</b>	<b>7</b>	<b>1</b>	<b>1</b>	<b>36</b>	<b>6</b>	<b>0</b>	<b>2</b>	<b>100</b>
<b>GMO</b>									
Cry1Ab, % Samples positive (>LOQ of 0.4%)	98	100	100	100	94	100	100	-	-
Cry2Ab, % Samples positive (>LOQ of 0.5%)	74	43	100	0	78	83	50	-	-
CP4 EPSPS, % Samples positive (>LOQ of 0.25%)	94	100	100	100	94	100	100	-	-
<b>Number of samples</b>	<b>47</b>	<b>7</b>	<b>1</b>	<b>1</b>	<b>36</b>	<b>6</b>	<b>2</b>	<b>-</b>	<b>100</b>

Note: Non detective mycotoxin results are reported as 0, see LOQ on Table 21 page 60.