

**Table 1: SOUTH AFRICAN MAIZE CROP QUALITY 2013/2014 (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, %	2.9	6.9	12.4	11.7	3.0	7.0	5.9	9.2	4.3
Defective kernels below 6.35 mm sieve, %	1.5	2.1	2.1	5.9	1.7	3.7	3.6	2.3	1.9
Total defective kernels, %	4.4	9.0	14.5	17.6	4.7	10.7	9.5	11.5	6.2
Other colour maize kernels, %	0.2	0.6	1.0	0.4	0.1	0.4	0.4	2.1	0.3
Foreign matter, %	0.1	0.1	0.2	3.3	0.1	0.1	0.5	0.5	0.1
Combined deviation, %	4.7	9.8	15.6	21.3	4.9	11.2	10.4	14.1	6.6
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	77.8	77.2	76.5	75.1	76.3	75.2	74.5	74.1	76.8
100 Kernel mass, g	33.7	34.8	34.3	35.1	32.3	30.0	30.5	31.9	32.9
Stress cracks, %	6	9	8	24	7	8	7	19	7
Milling Index	94.3	90.7	87.1	92.3	90.4	84.8	87.5	75.5	90.9
<b>Kernel Size</b>									
% on top 10 mm	24.0	26.2	25.5	33.9	15.8	12.1	12.6	11.9	19.6
% on top 8 mm	65.6	62.7	63	59.4	67.6	64.6	69.1	70.7	65.9
% through 8 mm	10.4	11.1	11.5	6.7	16.7	23.3	18.4	17.4	14.4
<b>Breakage susceptibility</b>									
% Below 6.35 mm sieve	1.1	1.5	2.1	3.1	1.8	2.2	2.6	4.4	1.6
% Below 4.75 mm sieve	0.8	1.2	1.6	1.9	1.3	1.5	1.9	3.1	1.2
<b>Nutritional Values</b>									
Protein, %	8.6	8.6	8.3	9.2	8.6	8.5	8.6	8.4	8.6
Fat, % (db)	4.1	4.0	3.9	4.4	3.9	3.7	4.0	3.6	3.9
Starch, % (db)	72.8	72.9	73.0	71.9	73.1	73.4	72.6	73.3	73.0
<b>Number of samples</b>	<b>314</b>	<b>102</b>	<b>32</b>	<b>3</b>	<b>367</b>	<b>95</b>	<b>8</b>	<b>9</b>	<b>930</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]	188 [2927]	193 [1195]	45 [283]	-	193 [5357]	210 [1720]	0 [0]	8 [25]	186 [5357]
Deoxynivalenol, µg/kg (ppb) [max. value]	217 [1351]	557 [1675]	1322 [6134]	-	198 [1504]	335 [2601]	280 [305]	37 [112]	289 [6134]
15-ADON, µg/kg (ppb) [max. value]	12 [269]	76 [287]	180 [861]	-	21 [300]	38 [292]	100 [199]	0 [0]	31 [861]
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]	2 [144]	11 [77]	87 [445]	-	4 [127]	24 [354]	25 [49]	4 [13]	9 [445]
HT-2 Toxin, µg/kg (ppb) [max.value]	0 [0]	0 [0]	0 [0]	-	0 [0]	0 [0]	0 [0]	0 [0]	0 [0]
T - 2 Toxin, µg/kg (ppb) [max. value]	0 [0]	0 [0]	0 [0]	-	0 [0]	0 [0]	0 [0]	0 [0]	0 [0]
<b>Number of samples</b>	<b>119</b>	<b>36</b>	<b>10</b>	<b>-</b>	<b>138</b>	<b>42</b>	<b>2</b>	<b>3</b>	<b>350</b>
<b>GMO</b>									
Cry1Ab, % Samples positive (>LOQ of 0.4%)	100	92	100	-	95	93	-	100	-
Cry2Ab, % Samples positive (>LOQ of 0.5%)	97	92	100	-	92	64	-	100	-
CP4 EPSPS, % Samples positive (>LOQ of 0.25%)	100	92	0	-	95	86	-	100	-
<b>Number of samples</b>	<b>33</b>	<b>13</b>	<b>1</b>	<b>-</b>	<b>38</b>	<b>14</b>	<b>-</b>	<b>1</b>	<b>100</b>

Note: Non detective mycotoxin results are reported as 0, see LOQ in Table 21 page 71.