

TABLE 2: SOUTH AFRICAN MAIZE CROP QUALITY 2022/23 (Weighted Averages)

Class and grade of maize	WM1	WM2	WM3	WCOM	YM1	YM2	YM3	YCOM	Weighted Ave.
RSA Grading									
Defective kernels above 6.35 mm sieve, %	2.4	4.8	8.5	5.6	2.2	4.3	4.4	3.3	3.1
Defective kernels below 6.35 mm sieve, %	1.5	2.1	1.5	3.2	1.8	3.7	4.2	2.8	2.0
Total defective kernels, %	3.9	6.9	10.0	8.8	4.0	8	8.6	6.1	5.1
Other colour maize kernels, %	0.2	0.3	0.2	0.3	0.1	0.2	0.1	0.1	0.2
Foreign matter, %	0.1	0.2	0.4	1.2	0.0	0.2	0.5	0.7	0.2
Combined deviation, %	4.1	7.4	10.6	10.2	4.1	8.4	9.2	7.0	5.4
Pinked maize kernels, %	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Physical Factors									
Test weight, kg/hl	76.6	76.0	75.4	74.4	76.7	75.6	75.4	75.8	76.3
100 Kernel mass, g	35.3	35.6	36.0	34.7	31.9	30.1	30.8	32.0	33.5
Stress cracks, %	7	9	6	10	8	7	8	8	8
Milling Index	72	71	69	68	73	69	70	71	72
Grit Yield	63	63	62	62	63	62	63	63	63
Kernel Size									
% on top 10 mm	24.0	23.5	30.4	28.2	7.4	5.5	7.9	6.7	16.1
% on top 8 mm	63.4	63.1	60.3	59.9	63.1	58.5	60.8	62.7	62.6
% through 8 mm	12.6	13.4	9.3	11.9	29.5	36.1	31.3	30.6	21.3
Breakage susceptibility									
% Below 6.35 mm sieve	1.0	1.5	1.3	1.7	1.3	1.6	1.4	1.2	1.2
% Below 4.75 mm sieve	0.8	1.2	1.1	1.3	1.1	1.1	1.1	0.9	1.0
Nutritional Values									
Fat, % (db)	4.1	4.0	3.9	4.0	4.0	3.9	4.0	3.9	4.0
Protein, % (db)	8.2	8.2	8.2	8.1	8.7	8.3	8.6	8.7	8.4
Starch, % (db)	75.1	75.0	75.0	75.2	73.9	74.2	73.8	73.9	74.5
Crude fibre, % (db)	2.1	2.1	2.1	2.1	2.2	2.2	2.2	2.2	2.1
Number of samples	363	90	25	42	331	88	18	43	1 000

YCOM: Yellow maize downgraded to Class Other Maize.