

TABLE 3: SOUTH AFRICAN MAIZE CROP QUALITY 2023/24 (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, %	1.0	1.7	2.7	1.2	1.5	1.7	1.9	1.9	1.4
Defective kernels below 6.35 mm sieve, %	1.8	4.4	4.5	4.1	2.1	4.9	8.9	4.4	2.8
Total defective kernels, %	2.8	6.0	7.2	5.3	3.7	6.6	10.8	6.3	4.2
Other colour maize kernels, %	0.1	0.3	0.2	0.6	0.1	0.2	0.2	0.3	0.2
Foreign matter, %	0.0	0.2	0.5	1.0	0.0	0.1	0.5	0.7	0.2
Combined deviation, %	3.0	6.6	7.9	7.0	3.8	6.9	11.4	7.3	4.5
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/ha	76.4	75.5	76.0	75.5	76.2	74.9	74.5	74.5	75.9
100 Kernel mass, g	31.7	28.1	31.0	31.6	30.1	26.3	24.1	27.8	30.1
Stress cracks, %	4	4	6	5	5	4	3	6	4
Milling Index	73	76	76	73	77	75	74	76	75
Grit Yield	63	64	64	63	64	64	63	64	64
Kernel Size									
% on top 10 mm	19.0	13.2	18.2	22.6	7.0	3.2	3.0	5.7	12.5
% on top 8 mm	63.4	58.3	59.1	58.1	60.4	50.0	42.6	57.9	59.7
% through 8 mm	17.6	28.5	22.7	19.3	32.6	46.8	54.4	36.5	27.7
Breakage susceptibility									
% Below 6.35 mm sieve	0.9	1.1	1.4	1.3	1.0	1.4	1.4	1.2	1.0
% Below 4.75 mm sieve	0.7	0.7	0.9	0.9	0.8	0.9	0.9	0.8	0.8
Nutritional Values									
Fat, % (db)	3.9	4.0	4.0	3.9	3.9	3.8	3.8	3.8	3.9
Protein, % (db)	8.9	9.2	9.0	9.0	9.2	9.4	9.6	9.5	9.1
Starch, % (db)	74.3	73.7	73.9	74.1	73.6	73.5	73.2	73.1	73.9
Crude fibre, % (db)	2.2	2.2	2.2	2.2	2.2	2.2	2.3	2.2	2.2
Number of samples	408	44	18	48	299	100	27	56	1 000

WCOM: White maize downgraded to Class Other Maize.

YCOM: Yellow maize downgraded to Class Other Maize.