

**TABLE 11: GRADING QUALITY OF SOUTH AFRICAN
WHITE AND YELLOW MAIZE OVER TEN SEASONS**

Season	Number of samples	% Defective kernels above 6.35 mm sieve			% Defective kernels below 6.35 mm sieve			% Foreign matter			% Other colour			% Combined deviations		
		ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.
White Maize																
2015/16	415	3.8	0.7	79.9	2.4	0.0	14.5	0.2	0.0	2.2	0.4	0.0	8.0	6.7	1.9	91.5
2016/17	549	2.9	0.3	25.5	1.8	0.1	12.7	0.2	0.0	6.9	0.2	0.0	7.0	5.1	1.1	36.7
2017/18	451	3.7	0.2	38.6	1.8	0.0	20.7	0.1	0.0	3.0	0.3	0.0	6.2	5.9	0.3	46.2
2018/19	404	6.8	0.2	88.5	1.8	0.0	19.0	0.2	0.0	4.2	0.5	0.0	12.9	9.3	0.6	96.8
2019/20	516	8.1	0.3	95.9	2.0	0.0	18.3	0.2	0.0	7.1	0.4	0.0	18.3	10.7	0.8	98.8
2020/21	560	3.0	0.0	55.1	2.1	0.0	21.1	0.2	0.0	3.9	0.4	0.0	12.8	5.6	0.5	58.7
2021/22	524	5.7	0.2	31.0	1.9	0.0	10.1	0.2	0.0	4.7	0.2	0.0	5.2	8.0	0.3	33.6
2022/23	520	3.3	0.0	51.8	1.7	0.0	8.9	0.2	0.0	3.7	0.2	0.0	4.6	5.5	0.1	55.6
2023/24	518	1.1	0.1	19.5	2.3	0.0	18.5	0.2	0.0	4.0	0.2	0.0	12.1	3.8	0.2	24.7
2024/25	458	4.5	0.0	26.0	1.5	0.0	9.5	0.1	0.0	2.1	0.4	0.0	7.0	6.4	0.8	29.2
Weighted Average		4.2			1.9			0.2			0.3			6.6		
Minimum		0.0			0.0			0.0			0.0			0.1		
Maximum		95.9			21.1			7.1			18.3			98.8		
Yellow Maize																
2015/16	505	3.1	0.5	24.4	2.6	0.0	18.1	0.2	0.0	1.7	0.2	0.0	4.5	6.0	0.6	32.4
2016/17	451	2.4	0.4	24.3	2.0	0.0	27.4	0.2	0.0	2.8	0.2	0.0	6.9	4.7	1.3	33.5
2017/18	449	3.1	0.2	21.2	1.8	0.0	13.5	0.1	0.0	1.3	0.1	0.0	6.2	5.1	0.8	28.0
2018/19	404	3.7	0.0	36.9	1.7	0.0	9.5	0.1	0.0	3.4	0.2	0.0	7.4	5.7	0.7	38.9
2019/20	374	4.3	0.1	85.6	2.3	0.0	11.7	0.1	0.0	5.9	0.2	0.0	17.2	6.9	0.3	86.9
2020/21	440	2.1	0.1	22.4	2.1	0.0	30.9	0.1	0.0	4.7	0.2	0.0	9.6	4.5	0.2	34.8
2021/22	476	4.3	0.2	24.0	2.3	0.0	12.7	0.1	0.0	5.5	0.1	0.0	3.2	6.9	0.3	30.9
2022/23	480	2.8	0.0	29.7	2.3	0.1	12.7	0.1	0.0	2.5	0.1	0.0	4.2	5.4	0.5	30.2
2023/24	482	1.6	0.0	20.3	3.3	0.0	26.9	0.2	0.0	5.1	0.1	0.0	3.9	5.3	0.2	30.9
2024/25	542	4.7	0.0	30.1	2.1	0.0	31.4	0.1	0.0	3.2	0.1	0.0	20.0	7.1	0.8	34.0
Weighted Average		3.2			2.3			0.1			0.1			5.8		
Minimum		0.0			0.0			0.0			0.0			0.2		
Maximum		85.6			31.4			5.9			20.0			86.9		
White and Yellow Maize																
2015/16	920	3.4	0.5	79.9	2.5	0.0	18.1	0.2	0.0	2.2	0.3	0.0	8.0	6.3	0.6	91.5
2016/17	1000	2.6	0.3	25.5	1.9	0.0	27.4	0.2	0.0	6.9	0.2	0.0	7.0	4.9	1.1	36.7
2017/18	900	3.4	0.2	38.6	1.8	0.0	20.7	0.1	0.0	3.0	0.2	0.0	6.2	5.5	0.3	46.2
2018/19	808	5.3	0.0	88.5	1.8	0.0	19.0	0.1	0.0	4.2	0.4	0.0	12.9	7.5	0.6	96.8
2019/20	890	6.5	0.1	95.9	2.1	0.0	18.3	0.2	0.0	7.1	0.3	0.0	18.3	9.1	0.3	98.8
2020/21	1000	2.6	0.0	55.1	2.1	0.0	30.9	0.2	0.0	4.7	0.3	0.0	12.8	5.1	0.2	58.7
2021/22	1000	5.0	0.2	31.0	2.1	0.0	12.7	0.2	0.0	5.5	0.2	0.0	5.2	7.5	0.3	33.6
2022/23	1000	3.1	0.0	51.8	2.0	0.0	12.7	0.2	0.0	3.7	0.2	0.0	4.6	5.4	0.1	55.6
2023/24	1000	1.4	0.0	20.3	2.8	0.0	26.9	0.2	0.0	5.1	0.2	0.0	12.1	4.5	0.2	30.9
2024/25	1000	4.6	0.0	30.1	1.8	0.0	31.4	0.1	0.0	3.2	0.2	0.0	20.0	6.8	0.8	34.0
Weighted Average		3.7			2.1			0.2			0.2			6.2		
Minimum		0.0			0.0			0.0			0.0			0.1		
Maximum		95.9			31.4			7.1			20.0			98.8		