

TABLE 18: PHYSICAL QUALITY CHARACTERISTICS OF WHITE MAIZE ACCORDING TO GRADE (2024/25)

Number of samples	Region	Test weight (kg/hl)			100 kernel mass (g)			Kernel size (%)									Stress cracks (%)				SAGL Milling index 2025			GYA						
		ave.	min.	max.	ave.	min.	max.	Above 10 mm sieve			Above 8 mm sieve			Below 8 mm sieve			< 6.35 mm sieve			< 4.75 mm sieve			ave.	min.	max.	ave.	min.	max.		
GRADE: WM1																														
282	Ave. WM1	76.7			36.6			26.2			62.9			10.8			0.8			0.7			5			78		64		
	Min. WM1	66.0			25.0			0.4			0.3			0.7			0.0			0.0			0			36		54		
	Max. WM1	81.3			45.3			86.2			82.4			57.7			6.5									100				
GRADE: WM2																														
122	Ave. WM2	76.8			36.7			25.6			63.1			11.3			1.1			0.9			6			78		64		
	Min. WM2	69.9			21.6			1.8			33.1			1.7			0.0			0.0			0			40		55		
	Max. WM2	82.7			43.6			64.5			82.1			41.1			5.3									98				
GRADE: WM3																														
39	Ave. WM3	75.9			37.7			35.3			56.6			8.1			1.4			1.1			4			76		64		
	Min. WM3	72.4			29.1			2.0			33.6			0.9			0.1			0.1			1			49		57		
	Max. WM3	79.5			43.6			64.0			79.3			40.8			2.8			2.2						95				
GRADE: COM																														
15	Ave. COM	76.7			37.9			33.6			58.4			8.0			1.1			0.9			4			76		64		
	Min. COM	73.1			32.2			8.3			43.9			0.3			0.0			0.0			0			62		60		
	Max. COM	79.3			45.8			55.8			76.2			25.3			2.8			1.8						87				
458	Ave. White	76.7			36.8			27.1			62.3			10.6			0.9			0.8			5			78		64		
	Min. White	66.0			21.6			0.4			0.3			0.3			0.0			0.0			0			36		54		
	Max. White	82.7			45.8			86.2			82.4			57.7			6.5			3.7						100				
1000	Ave. Maize	76.2			35.1			18.5			62.7			18.8			1.0			0.8			4			75		63		
	Min. Maize	66.0			18.9			0.0			0.3			0.3			0.0			0.0			0			32		53		
	Max. Maize	82.7			48.9			86.2			87.3			70.8			7.1			5.7						100				