TABLE 20: PHYSICAL QUALITY CHARACTERISTICS OF YELLOW MAIZE ACCORDING TO GRADE (2024/25)

Number of samples	Region	Test weight (kg/hl)			100 kernel mass (g)			Kernel size (%)									Breakage susceptibility (%)						Stress cracks (%)			SAGL Milling index 2025			GYA		
								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.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.
GRADE: YM1																															
371	Ave. YM1	76.1			34.2			12.0			63.8			24.2			0.9			0.7			3			73			63		
	Min. YM1		66.9			24.2			0.0			31.6			1.9			0.0			0.0			0			32			53	
	Max. YM1			80.5			48.9			56.9			87.3			67.2			7.1			5.7			20			97			69
GRADE: YM2																															
119	Ave. YM2	75.9			32.8			9.2			61.6			29.2			1.1			0.8			5			72			63		
	Min. YM2		70.9			20.9			0.0			31.4			3.1			0.0			0.0			0			34			54	
	Max. YM2			79.3			43.2			42.2			76.7			68.2			3.6			2.6			17			91			67
GRADE: YM3																															
18	Ave. YM3	74.7			31.0			12.1			56.8			31.1			1.8			1.1			5			69			62		
	Min. YM3		68.6			18.9			0.6			27.2			1.8			0.5			0.4			0			45			56	
	Max. YM3			77.1			40.4			56.0			74.5			70.8			5.3			1.8			12			81			65
GRADE: COM																															
34	Ave. COM	74.4			32.7			9.3			64.4			26.3			1.7			1.1			5			70			62		
	Min. COM		68.5			23.2			0.5			42.7			4.0			0.2			0.0			0			53			58	
	Max. COM			79.7			40.1			38.9			76.6			56.1			4.2			3.0			14			87			67
542	Ave. Yellow	75.9			33.7			11.2			63.1			25.7			1.1			0.8			4			72			63		
	Min. Yellow		66.9			18.9			0.0			27.2			1.8			0.0			0.0			0			32			53	
	Max. Yellow			80.5			48.9			56.9			87.3			70.8			7.1			5.7			20			97			69
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			29			100			70