

TABLE 8: PHYSICAL PARAMETERS & IMAGE ANALYSIS OF SORGHUM ACCORDING TO CLASS (2024/25)

Number of samples	Region	Image Analysis																													
		Test weight, kg/ha			1000 Kernel mass, g			Length (mm) Average		Length (mm) Std Dev		Width (mm) Average		Width (mm) Std Dev		Elongation (% Width/Length) Average		Elongation (% Width/Length) Std Dev		Volume/surface area (%) Average		Volume/surface area (%) Std Dev									
		ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.						
CLASS: GM																															
1	Region 28	79.2	-	-	27.8	-	-	4.60	-	-	0.32	-	-	4.18	-	-	0.26	-	-	91	-	-	5.1	-	-	72	-	-	4.3	-	-
9	Region 35	77.5	71.2	80.0	23.8	22.2	24.5	4.62	4.31	4.81	0.37	0.32	0.42	3.85	3.69	3.97	0.35	0.32	0.40	84	81	90	5.8	5.5	6.3	68	65	70	5.6	4.9	6.4
10	Ave. GM	77.6			24.2			4.61			0.37			3.88			0.35			84			5.8			68			5.5		
	Min. GM	71.2			22.2			4.31			0.32			3.69			0.26			81			5.1			65			4.3		
	Max. GM	80.0			27.8			4.81			0.42			4.18			0.40			91			6.3			72			6.4		
CLASS: GH																															
2	Region 18	72.2	71.0	73.4	22.3	22.3	22.4	4.24	4.21	4.28	0.29	0.27	0.31	3.85	3.82	3.87	0.25	0.25	0.26	91	91	91	4.8	4.8	4.9	66	66	67	4.1	3.9	4.2
1	Region 24	71.4	-	-	21.0	-	-	4.11	-	-	0.31	-	-	3.74	-	-	0.35	-	-	91	-	-	6.2	-	-	64	-	-	5.4	-	-
1	Region 26	69.8	-	-	20.7	-	-	4.20	-	-	0.34	-	-	3.80	-	-	0.31	-	-	91	-	-	5.0	-	-	65	-	-	5.1	-	-
1	Region 33	75.6	-	-	25.5	-	-	4.32	-	-	0.33	-	-	3.98	-	-	0.33	-	-	92	-	-	4.9	-	-	68	-	-	5.3	-	-
5	Ave. GH	72.2			22.4			4.22			0.31			3.84			0.30			91			5.1			66			4.8		
	Min. GH	69.8			20.7			4.11			0.27			3.74			0.25			91			4.8			64			3.9		
	Max. GH	75.6			25.5			4.32			0.34			3.98			0.35			92			6.2			68			5.4		
15	Ave. Sorghum	75.8			23.6			4.48			0.35			3.87			0.33			87			5.5			67			5.3		
	Min. Sorghum	69.8			20.7			4.11			0.27			3.69			0.25			81			4.8			64			3.9		
	Max. Sorghum	80.0			27.8			4.81			0.42			4.18			0.40			92			6.3			72			6.4		