

TABLE 7: PHYSICAL PARAMETERS & IMAGE ANALYSIS OF SORGHUM ACCORDING TO CLASS (2023/24)																															
Number of samples	Region	Test weight, kg/ha			1000 Kernel mass, g			Image Analysis Length (mm) Average			Image Analysis 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.	ave.	min.	max.			
CLASS: GM																															
1	Region 20	75.6	-	-	20.9	-	-	4.20	-	-	0.27	-	-	3.65	-	-	0.25	-	-	87	-	-	5.9	-	-	66	-	-	3.8	-	-
19	Region 35	77.8	72.0	81.9	24.1	20.3	26.7	4.48	4.29	4.63	0.33	0.29	0.37	3.64	3.49	3.72	0.26	0.21	0.32	81	79	87	5.6	4.6	6.8	69	66	71	4.5	3.9	5.1
20	Ave. GM	77.7			23.9			4.47			0.33			3.64			0.26			82			5.6			69			4.4		
	Min. GM	72.0			20.3			4.20			0.27			3.49			0.21			79			4.6			66			3.8		
	Max. GM	81.9			26.7			4.63			0.37			3.72			0.32			87			6.8			71			5.1		
CLASS: GH																															
2	Region 19	74.7	74.2	75.3	19.4	18.8	20.0	4.04	4.02	4.05	0.30	0.28	0.32	3.48	3.47	3.50	0.26	0.25	0.27	87	86	87	5.5	5.1	5.9	64	64	64	4.3	4.1	4.5
2	Region 21	74.4	72.5	76.2	19.0	18.6	19.3	4.10	4.09	4.11	0.29	0.27	0.31	3.57	3.55	3.60	0.23	0.21	0.24	87	87	88	5.3	5.0	5.7	65	65	65	4.0	3.7	4.2
1	Region 24	73.4	-	-	18.3	-	-	3.97	-	-	0.29	-	-	3.51	-	-	0.22	-	-	89	-	-	5.8	-	-	63	-	-	3.9	-	-
5	Ave. GH	74.3			19.0			4.05			0.29			3.53			0.24			87			5.5			64			4.1		
	Min. GH	72.5			18.3			3.97			0.27			3.47			0.21			86			5.0			63			3.7		
	Max. GH	76.2			20.0			4.11			0.32			3.60			0.27			89			5.9			65			4.5		
25	Ave. Sorghum	77.0			22.9			4.38			0.32			3.62			0.25			83			5.6			68			4.4		
	Min. Sorghum	72.0			18.3			3.97			0.27			3.47			0.21			79			4.6			63			3.7		
	Max. Sorghum	81.9			26.7			4.63			0.37			3.72			0.32			89			6.8			71			5.1		