

TABLE 7a: PHYSICAL PARAMETERS & IMAGE ANALYSIS OF SORGHUM ACCORDING TO CLASS (2022/23)
(Sorghum crop samples)

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 (%) Average		Elongation (%) Std Dev		Volume to surface ratio (%) Average		Volume to surface ratio (%) Std Dev											
		ave.	max.	ave.	max.	ave.	max.	ave.	max.	ave.	max.	ave.	max.	ave.	max.	ave.	max.	ave.	max.	ave.	max.										
CLASS: GM																															
14	Region 35	77.6	67.9	79.7	24.2	21.3	24.9	4.75	4.50	4.94	0.36	0.29	0.42	3.91	3.66	4.17	0.33	0.28	0.40	82	80	85	5.5	4.3	6.2	74	69	77	5.3	4.6	6.3
14	Ave. GM	77.6			24.2			4.75			0.36			3.91			0.33			82			5.5			74			5.3		
	Min. GM	67.9			21.3			4.50			0.29			3.66			0.28			80			4.3			69			4.6		
	Max. GM	79.7			24.9			4.94			0.42			4.17			0.40			85			6.2			77			6.3		
CLASS: GH																															
1	Region 13	77.1	-	-	26.6	-	-	4.19	-	-	0.32	-	-	3.85	-	-	0.29	-	-	92	-	-	4.1	-	-	68	-	-	4.9	-	-
1	Region 19	66.8	-	-	18.8	-	-	4.12	-	-	0.34	-	-	3.80	-	-	0.34	-	-	92	-	-	4.8	-	-	67	-	-	5.4	-	-
1	Region 20	74.5	-	-	24.2	-	-	4.20	-	-	0.30	-	-	3.90	-	-	0.29	-	-	93	-	-	3.6	-	-	68	-	-	4.8	-	-
1	Region 33	72.4	-	-	23.5	-	-	4.19	-	-	0.31	-	-	3.87	-	-	0.31	-	-	92	-	-	5.0	-	-	68	-	-	4.9	-	-
4	Ave. GH	72.7			23.3			4.17			0.32			3.85			0.31			92			4.4			68			5.0		
	Min. GH	66.8			18.8			4.12			0.30			3.80			0.29			92			3.6			67			4.8		
	Max. GH	77.1			26.6			4.20			0.34			3.90			0.34			93			5.0			68			5.4		
18	Ave. Sorghum	76.5			24.0			4.62			0.35			3.89			0.32			85			5.3			72			5.3		
	Min. Sorghum	66.8			18.8			4.12			0.29			3.66			0.28			80			3.6			67			4.6		
	Max. Sorghum	79.7			26.6			4.94			0.42			4.17			0.40			93			6.2			77			6.3		