

TABLE 8: NUTRITIONAL VALUES OF SORGHUM ACCORDING TO GRADE (2021/22)

Number of samples	Region	Moisture, %			Crude Protein content, % (db)			Total Starch content, % (db)			Crude Fat content, % (db)			Hunterlab Colour									
		ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	L		a		b					
GRADE: GM1																							
1	Region 20	12.9	-	-	11.4	-	-	70.1	-	-	3.5	-	-	68.14	-	-	5.77	-	-	9.42	-	-	
3	Region 29	12.3	12.2	12.3	10.9	10.8	11.0	72.9	72.4	73.5	3.4	3.3	3.4	69.06	67.81	70.29	6.35	5.72	6.85	9.88	9.72	10.05	
6	Region 35	12.6	11.8	13.1	8.6	7.4	9.9	74.7	73.5	76.6	3.6	3.4	3.8	71.77	71.08	73.73	5.14	4.80	5.36	10.16	9.87	10.48	
10	Ave. GM1	12.5			9.6			73.7			3.5			70.60			5.57			10.00			
	Min. GM1		11.8		7.4			70.1			3.3			67.81			4.80			9.42			
	Max. GM1		13.1		11.4			76.6			3.8			73.73			6.85			10.48			
GRADE: GM2																							
2	Region 35	12.4	12.3	12.5	8.9	8.7	9.1	73.8	73.4	74.1	3.6	3.5	3.6	69.21	68.85	69.56	5.81	5.72	5.89	9.70	9.68	9.71	
2	Ave. GM2	12.4			8.9			73.8			3.6			69.21			5.81			9.70			
	Min. GM2		12.3		8.7			73.4			3.5			68.85			5.72			9.68			
	Max. GM2		12.5		9.1			74.1			3.6			69.56			5.89			9.71			
GRADE: COS																							
3	Region 35	12.0	11.8	12.2	11.3	8.8	13.4	71.6	68.9	74.0	3.4	3.3	3.6	69.72	69.31	70.50	5.05	4.85	5.40	9.95	9.70	10.31	
3	Ave. COS	12.0			11.3			71.6			3.4			69.72			5.05			9.95			
	Min. COS		11.8		8.8			68.9			3.3			69.31			4.85			9.70			
	Max. COS		12.2		13.4			74.0			3.6			70.50			5.40			10.31			
GRADE: GH1																							
1	Region 13	12.1	-	-	9.1	-	-	71.8	-	-	2.9	-	-	62.70	-	-	5.17	-	-	7.94	-	-	
1	Region 19	13.1	-	-	8.6	-	-	73.0	-	-	2.9	-	-	69.26	-	-	4.25	-	-	8.03	-	-	
2	Region 33	12.7	12.6	12.7	9.7	9.7	9.7	72.2	71.9	72.4	3.0	2.9	3.0	66.86	66.75	66.96	4.68	4.62	4.73	8.38	8.36	8.40	
1	Region 35	12.6	-	-	11.3	-	-	71.5	-	-	3.0	-	-	64.92	-	-	5.80	-	-	8.63	-	-	
5	Ave. GH1	12.6			9.7			72.1			2.9			66.12			4.91			8.27			
	Min. GH1		12.1		8.6			71.5			2.9			62.70			4.25			7.94			
	Max. GH1		13.1		11.3			73.0			3.0			69.26			5.80			8.63			
GRADE: GH2																							
1	Region 20	13.0	-	-	11.2	-	-	69.1	-	-	3.0	-	-	66.56	-	-	4.65	-	-	8.53	-	-	
1	Ave. GH2	13.0			11.2			69.1			3.0			66.56			4.65			8.53			
	Min. GH2		-		-			-			-			-			-			-			
	Max. GH2		-		-			-			-			-			-			-			
21	Ave. sorghum	12.5			9.9			72.8			3.3			69.08			5.32			9.48			
	Min. sorghum		11.8		7.4			68.9			2.9			62.70			4.25			7.94			
	Max. sorghum		13.1		13.4			76.6			3.8			73.73			6.85			10.48			