

TABLE 8: NUTRITIONAL VALUES OF SORGHUM ACCORDING TO GRADE (2020/21)

Number of samples	Region	Moisture, %			Protein, % (db)			Starch content, % (db)			Hunterlab Colour								
											L			a			b		
		ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.
GRADE: GM1																			
1	Region 27	11.2	-	-	10.0	-	-	76.0	-	-	72.72	-	-	5.20	-	-	10.50	-	-
2	Region 28	11.4	11.3	11.4	10.0	8.3	11.6	77.2	75.5	78.8	72.99	72.81	73.17	5.02	4.73	5.31	10.20	10.17	10.22
7	Region 29	11.4	11.2	11.8	10.8	10.3	11.5	75.4	73.1	77.4	72.62	70.90	73.50	4.87	4.44	5.36	10.25	9.59	10.55
1	Region 33	11.4	-	-	10.5	-	-	77.0	-	-	74.25	-	-	4.56	-	-	10.63	-	-
9	Region 35	11.0	10.7	11.3	11.1	10.3	13.2	73.5	68.5	76.0	72.54	71.29	74.83	4.73	4.33	5.09	10.46	9.85	11.04
2	Region 36	11.7	11.6	11.7	10.6	9.9	11.4	73.7	72.2	75.2	70.19	68.72	71.66	4.93	4.57	5.29	9.94	9.40	10.48
22	Ave. GM1	11.3			10.8			74.7			72.48			4.83			10.33		
	Min. GM1	10.7			8.3			68.5			68.72			4.33			9.40		
	Max. GM1	11.8			13.2			78.8			74.83			5.36			11.04		
GRADE: GM2																			
1	Region 24	12.6	-	-	7.2	-	-	74.0	-	-	71.91	-	-	5.81	-	-	9.20	-	-
2	Region 35	11.0	10.9	11.1	12.7	12.3	13.2	71.9	71.8	72.0	73.18	72.96	73.40	4.48	4.36	4.59	10.38	10.14	10.62
3	Ave. GM2	11.5			10.9			72.6			72.76			4.92			9.99		
	Min. GM2	10.9			7.2			71.8			71.91			4.36			9.20		
	Max. GM2	12.6			13.2			74.0			73.40			5.81			10.62		
GRADE: GM3																			
1	Region 29	11.6	-	-	10.6	-	-	77.2	-	-	74.88	-	-	3.63	-	-	10.67	-	-
2	Region 35	10.7	10.2	11.1	9.9	9.4	10.5	72.3	72.2	72.4	72.98	72.83	73.13	4.77	4.61	4.93	9.96	9.40	10.52
3	Ave. GM3	11.0			10.1			73.9			73.61			4.39			10.20		
	Min. GM3	10.2			9.4			72.2			72.83			3.63			9.40		
	Max. GM3	11.6			10.6			77.2			74.88			4.93			10.67		
GRADE: COS																			
1	Region 29	11.3	-	-	11.5	-	-	73.6	-	-	69.21	-	-	4.92	-	-	9.36	-	-
1	Region 35	11.2	11.2	11.2	10.2	10.2	10.2	74.9	74.9	74.9	71.03	71.03	71.03	4.88	4.88	4.88	10.25	10.25	10.25
2	Ave. COS	11.3			10.8			74.3			70.12			4.90			9.81		
	Min. COS	11.2			10.2			73.6			69.21			4.88			9.36		
	Max. COS	11.3			11.5			74.9			71.03			4.92			10.25		
GRADE: GH1																			
1	Region 18	11.8	-	-	10.7	-	-	73.8	-	-	68.84	-	-	4.70	-	-	8.85	-	-
2	Region 19	11.7	11.5	11.8	9.8	9.6	9.9	73.6	73.2	74.0	70.27	70.03	70.51	4.54	4.51	4.56	8.79	8.74	8.83
1	Region 29	11.6	-	-	10.5	-	-	72.3	-	-	69.11	-	-	4.44	-	-	8.61	-	-
2	Region 33	11.8	11.7	11.8	9.2	8.4	9.9	73.8	73.8	73.8	66.92	66.86	66.98	5.30	4.99	5.61	9.35	9.33	9.36
3	Region 35	11.1	10.3	11.5	10.0	9.3	10.6	73.8	72.9	75.4	67.76	66.75	68.81	5.23	4.90	5.69	9.47	9.37	9.58
9	Ave. GH1	11.5			9.9			73.6			68.40			4.94			9.13		
	Min. GH1	10.3			8.4			72.3			66.75			4.44			8.61		
	Max. GH1	11.8			10.7			75.4			70.51			5.69			9.58		
GRADE: GH2																			
1	Region 19	13.6	-	-	10.7	-	-	73.3	-	-	67.38	-	-	4.91	-	-	9.53	-	-
1	Ave. GH2	13.6			10.7			73.3			67.38			4.91			9.53		
	Min. GH2	-			-			-			-			-			-		
	Max. GH2	-			-			-			-			-			-		
GRADE: COS																			
1	Region 24	13.0	-	-	6.6	-	-	76.3	-	-	68.05	-	-	5.35	-	-	9.22	-	-
1	Ave. COS	13.0			6.6			76.3			68.05			5.35			9.22		
	Min. COS	-			-			-			-			-			-		
	Max. COS	-			-			-			-			-			-		
41	Ave. sorghum	11.4			10.5			74.2			71.34			4.85			9.96		
	Min. sorghum	10.2			6.6			68.5			66.75			3.63			8.61		
	Max. sorghum	13.6			13.2			78.8			74.88			5.81			11.04		