

Table 4: South African Sorghum Crop Quality Averages 2024/25 season

Class and grade sorghum		GM			GH	
		GM1	GM2	Weighted Average	GH1	Weighted Average
Grading						
Foreign matter, %		0.26	0.37	0.28	0.43	0.43
Unthreshed sorghum, %		0.78	0.22	0.66	1.89	1.89
Defective sorghum, %		1.10	3.55	1.59	1.18	1.18
Small kernel sorghum, %		0.88	0.44	0.79	0.16	0.16
Total defective sorghum and small kernel sorghum, %		1.98	3.99	2.38	1.34	1.34
Sorghum of another group, %		0.00	0.00	0.00	0.00	0.00
White sorghum, %		0.04	0.00	0.03	0.00	0.00
Total of sorghum of another group and white sorghum, %		0.04	0.00	0.03	0.00	0.00
Weather-stained sorghum, %		0.00	0.00	0.00	0.00	0.00
Physical parameters						
Test weight, kg/hl		78.3	75.2	77.6	72.2	72.2
1000 Kernel Mass, g (14% moisture base)		23.7	26.0	24.2	22.4	22.4
# Image analysis	Length, mm	4.59	4.70	4.61	4.22	4.22
	Standard Deviation	0.37	0.37	0.37	0.31	0.31
	Width, mm	3.83	4.08	3.88	3.84	3.84
	Standard Deviation	0.35	0.33	0.35	0.30	0.30
	Elongation (% Width/Length)	84	87	84	91	91
	Standard Deviation	5.9	5.4	5.8	5.1	5.1
	Volume/surface area (%)	67	71	68	66	66
	Standard Deviation	5.6	5.3	5.5	4.8	4.8
Nutritional analysis						
Milled Sorghum Moisture, %		11.9	13.1	12.2	12.9	12.9
Crude Protein, % (db)		10.0	10.9	10.2	10.8	10.8
Total Starch, % (db)		72.7	73.0	72.7	70.4	70.4
Crude fat, % (db)		3.6	3.5	3.6	3.0	3.0
Hunterlab colour (fraction of dehulled sample above the 1.8 mm slotted sieve milled on Retch mill through 0.5 mm sieve)	L	66.08	70.67	66.99	65.44	65.44
	a	5.71	4.83	5.54	4.39	4.39
	b	9.62	10.24	9.74	8.10	8.10
Number of samples		8	2	10	5	5

CO = Class other