

**TABLE 8: CHEMICAL COMPOSITION OF SORGHUM ACCORDING TO GRADE  
(2018/19)**

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.
<b>GRADE: GM1</b>																			
1	Region 28	11.4	-	-	11.7	-	-	71.4	-	-	71.29	-	-	4.93	-	-	10.26	-	-
2	Region 29	10.3	10.2	10.4	11.1	10.3	11.9	72.3	72.1	72.5	73.54	73.17	73.91	4.80	4.59	5.01	10.30	10.30	10.30
1	Region 30	10.5	-	-	11.4	-	-	72.2	-	-	73.28	-	-	4.66	-	-	10.30	-	-
4	Region 31	11.5	11.5	11.5	10.0	9.6	10.5	72.3	70.2	74.4	72.02	69.86	73.21	4.61	4.27	5.28	10.02	9.80	10.40
2	Region 33	11.0	10.6	11.4	10.0	9.5	10.5	73.6	73.4	73.7	71.66	70.44	72.88	5.02	4.57	5.47	9.86	9.73	9.98
8	Region 35	11.0	10.3	11.5	11.7	10.0	12.6	71.0	70.4	72.9	74.98	74.14	76.27	4.25	3.86	4.55	11.18	10.71	11.65
<b>18</b>	<b>Ave. GM1</b>	<b>11.0</b>			<b>11.1</b>			<b>71.8</b>			<b>73.49</b>			<b>4.54</b>			<b>10.58</b>		
	<b>Min. GM1</b>		<b>10.2</b>			<b>9.5</b>			<b>70.2</b>			<b>69.86</b>			<b>3.86</b>			<b>9.73</b>	
	<b>Max. GM1</b>			<b>11.5</b>			<b>12.6</b>			<b>74.4</b>			<b>76.27</b>			<b>5.47</b>			<b>11.65</b>
<b>GRADE: GM2</b>																			
1	Region 31	11.5	-	-	9.7	-	-	73.5	-	-	73.21	-	-	4.19	-	-	9.98	-	-
<b>1</b>	<b>Ave. GM2</b>	<b>11.5</b>			<b>9.7</b>			<b>73.5</b>			<b>73.21</b>			<b>4.19</b>			<b>9.98</b>		
	<b>Min. GM2</b>		-	-		-	-		-	-		-	-		-	-		-	-
	<b>Max. GM2</b>																		
<b>GRADE: GM3</b>																			
1	Region 16	11.8	-	-	11.9	-	-	72.6	-	-	73.56	-	-	4.44	-	-	10.19	-	-
<b>1</b>	<b>Ave. GM3</b>	<b>11.8</b>			<b>11.9</b>			<b>72.6</b>			<b>73.56</b>			<b>4.44</b>			<b>10.19</b>		
	<b>Min. GM3</b>		-	-		-	-		-	-		-	-		-	-		-	-
	<b>Max. GM3</b>																		
<b>GRADE: GH1</b>																			
1	Region 13	12.3	-	-	11.2	-	-	68.0	-	-	67.28	-	-	4.16	-	-	10.02	-	-
1	Region 17	10.9	-	-	13.1	-	-	68.2	-	-	69.89	-	-	4.37	-	-	10.20	-	-
1	Region 19	11.1	-	-	10.8	-	-	68.7	-	-	69.73	-	-	4.04	-	-	7.63	-	-
1	Region 20	11.8	-	-	8.9	-	-	71.6	-	-	68.65	-	-	5.00	-	-	9.30	-	-
3	Region 21	12.0	11.8	12.1	10.6	8.4	11.9	69.9	68.1	73.3	69.58	69.39	69.71	4.56	4.49	4.61	9.50	8.96	9.78
2	Region 33	11.1	11.1	11.1	10.3	9.4	11.2	70.1	69.3	70.9	68.06	67.73	68.38	5.45	4.93	5.97	10.11	10.07	10.15
1	Region 35	11.6	-	-	11.0	-	-	69.1	-	-	67.81	-	-	5.44	-	-	9.76	-	-
<b>10</b>	<b>Ave. GH1</b>	<b>11.6</b>			<b>10.7</b>			<b>69.6</b>			<b>68.82</b>			<b>4.76</b>			<b>9.56</b>		
	<b>Min. GH1</b>		<b>10.9</b>			<b>8.4</b>			<b>68.0</b>			<b>67.28</b>			<b>4.04</b>			<b>7.63</b>	
	<b>Max. GH1</b>			<b>12.3</b>			<b>13.1</b>			<b>73.3</b>			<b>69.89</b>			<b>5.97</b>			<b>10.20</b>
<b>GRADE: GH2</b>																			
1	Region 26	11.7	-	-	10.5	-	-	67.6	-	-	69.43	-	-	4.75	-	-	9.60	-	-
<b>1</b>	<b>Ave. GH2</b>	<b>11.7</b>			<b>10.5</b>			<b>67.6</b>			<b>69.43</b>			<b>4.75</b>			<b>9.60</b>		
	<b>Min. GH2</b>		-	-		-	-		-	-		-	-		-	-		-	-
	<b>Max. GH2</b>																		
<b>31</b>	<b>Ave. sorghum</b>	<b>11.3</b>			<b>10.9</b>			<b>71.0</b>			<b>71.85</b>			<b>4.60</b>			<b>10.19</b>		
	<b>Min. sorghum</b>		<b>10.2</b>			<b>8.4</b>			<b>67.6</b>			<b>67.28</b>			<b>3.86</b>			<b>7.63</b>	
	<b>Max. sorghum</b>			<b>12.3</b>			<b>13.1</b>			<b>74.4</b>			<b>76.27</b>			<b>5.97</b>			<b>11.65</b>