

**TABLE 8: NUTRITIONAL VALUES OF SORGHUM ACCORDING TO GRADE (2019/20)**

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 16	11.8	-	-	12.1	-	-	70.5	-	-	73.58	-	-	4.13	-	-	9.98	-	-
4	Region 29	11.5	11.4	11.6	10.8	10.3	12.0	70.8	69.8	71.8	72.57	72.31	72.93	5.00	4.79	5.11	10.08	9.89	10.28
7	Region 35	11.2	10.9	11.4	10.6	8.6	13.6	70.9	66.8	73.7	74.02	71.30	76.33	4.53	4.18	5.06	10.57	10.09	11.04
<b>12</b>	<b>Ave. GM1</b>	<b>11.3</b>			<b>10.8</b>			<b>70.8</b>			<b>73.50</b>			<b>4.66</b>			<b>10.36</b>		
	<b>Min. GM1</b>	<b>10.9</b>			<b>8.6</b>			<b>66.8</b>			<b>71.30</b>			<b>4.13</b>			<b>9.89</b>		
	<b>Max. GM1</b>	<b>11.8</b>			<b>13.6</b>			<b>73.7</b>			<b>76.33</b>			<b>5.11</b>			<b>11.04</b>		
<b>GRADE: GM2</b>																			
1	Region 29	12.4	-	-	9.9	-	-	71.3	-	-	71.36	-	-	4.72	-	-	9.63	-	-
1	Region 35	10.9	-	-	9.4	-	-	73.3	-	-	76.21	-	-	4.34	-	-	10.98	-	-
<b>2</b>	<b>Ave. GM2</b>	<b>11.7</b>			<b>9.6</b>			<b>72.3</b>			<b>73.79</b>			<b>4.53</b>			<b>10.31</b>		
	<b>Min. GM2</b>	<b>10.9</b>			<b>9.4</b>			<b>71.3</b>			<b>71.36</b>			<b>4.34</b>			<b>9.63</b>		
	<b>Max. GM2</b>	<b>12.4</b>			<b>9.9</b>			<b>73.3</b>			<b>76.21</b>			<b>4.72</b>			<b>10.98</b>		
<b>GRADE: GM3</b>																			
2	Region 29	11.6	11.5	11.7	11.8	11.3	12.3	71.8	71.5	72.0	72.69	72.25	73.12	4.82	4.82	4.82	10.26	10.21	10.31
1	Region 30	11.6	-	-	12.1	-	-	70.4	-	-	73.86	-	-	4.37	-	-	10.40	-	-
8	Region 35	11.1	10.6	11.9	11.2	9.8	14.9	70.1	63.9	72.4	74.13	68.90	79.29	3.68	1.72	4.57	10.05	9.33	11.64
1	Region 36	11.3	-	-	12.0	-	-	68.7	-	-	70.68	-	-	4.28	-	-	10.08	-	-
<b>12</b>	<b>Ave. GM3</b>	<b>11.2</b>			<b>11.5</b>			<b>70.3</b>			<b>73.58</b>			<b>3.98</b>			<b>10.12</b>		
	<b>Min. GM3</b>	<b>10.6</b>			<b>9.8</b>			<b>63.9</b>			<b>68.90</b>			<b>1.72</b>			<b>9.33</b>		
	<b>Max. GM3</b>	<b>11.9</b>			<b>14.9</b>			<b>72.4</b>			<b>79.29</b>			<b>4.82</b>			<b>11.64</b>		
<b>GRADE: COS</b>																			
1	Region 29	10.5	-	-	15.0	-	-	65.3	-	-	73.46	-	-	3.59	-	-	11.42	-	-
1	Region 31	12.6	-	-	12.6	-	-	56.8	-	-	62.39	-	-	4.26	-	-	9.38	-	-
<b>2</b>	<b>Ave. COS</b>	<b>11.6</b>			<b>13.8</b>			<b>61.1</b>			<b>67.93</b>			<b>3.93</b>			<b>10.40</b>		
	<b>Min. COS</b>	<b>10.5</b>			<b>12.6</b>			<b>56.8</b>			<b>62.39</b>			<b>3.59</b>			<b>9.38</b>		
	<b>Max. COS</b>	<b>12.6</b>			<b>15.0</b>			<b>65.3</b>			<b>73.46</b>			<b>4.26</b>			<b>11.42</b>		
<b>GRADE: GH1</b>																			
1	Region 16	12.0	-	-	9.6	-	-	71.7	-	-	67.65	-	-	5.09	-	-	9.58	-	-
1	Region 17	11.7	-	-	9.8	-	-	70.6	-	-	67.10	-	-	5.62	-	-	9.61	-	-
1	Region 20	11.6	-	-	10.5	-	-	72.0	-	-	68.94	-	-	5.34	-	-	9.57	-	-
1	Region 21	12.0	-	-	10.1	-	-	71.1	-	-	68.13	-	-	5.40	-	-	9.78	-	-
1	Region 24	11.4	-	-	9.2	-	-	71.3	-	-	69.10	-	-	5.31	-	-	10.02	-	-
1	Region 27	11.4	-	-	12.1	-	-	71.6	-	-	73.83	-	-	4.32	-	-	10.31	-	-
1	Region 33	11.8	-	-	9.8	-	-	73.7	-	-	67.93	-	-	5.24	-	-	9.58	-	-
2	Region 35	11.7	11.5	11.8	11.6	11.3	11.9	68.1	66.9	69.3	68.30	68.24	68.36	5.27	5.23	5.30	9.72	9.64	9.79
1	Region 36	11.4	-	-	9.0	-	-	74.8	-	-	67.60	-	-	5.88	-	-	9.61	-	-
<b>10</b>	<b>Ave. GH1</b>	<b>11.7</b>			<b>10.3</b>			<b>71.3</b>			<b>68.69</b>			<b>5.27</b>			<b>9.75</b>		
	<b>Min. GH1</b>	<b>11.4</b>			<b>9.0</b>			<b>66.9</b>			<b>67.10</b>			<b>4.32</b>			<b>9.57</b>		
	<b>Max. GH1</b>	<b>12.0</b>			<b>12.1</b>			<b>74.8</b>			<b>73.83</b>			<b>5.88</b>			<b>10.31</b>		
<b>GRADE: GH2</b>																			
1	Region 33	11.6	-	-	10.2	-	-	70.8	-	-	69.38	-	-	4.39	-	-	8.94	-	-
1	Region 35	11.6	-	-	9.3	-	-	70.8	-	-	67.11	-	-	5.70	-	-	9.76	-	-
<b>2</b>	<b>Ave. GH2</b>	<b>11.6</b>			<b>9.8</b>			<b>70.8</b>			<b>68.25</b>			<b>5.05</b>			<b>9.35</b>		
	<b>Min. GH2</b>	<b>11.6</b>			<b>9.3</b>			<b>70.8</b>			<b>67.11</b>			<b>4.39</b>			<b>8.94</b>		
	<b>Max. GH2</b>	<b>11.6</b>			<b>10.2</b>			<b>70.8</b>			<b>69.38</b>			<b>5.70</b>			<b>9.76</b>		
<b>GRADE: sorghum</b>																			
<b>40</b>	<b>Ave. sorghum</b>	<b>11.4</b>			<b>10.9</b>			<b>70.4</b>			<b>71.79</b>			<b>4.58</b>			<b>10.08</b>		
	<b>Min. sorghum</b>	<b>10.5</b>			<b>8.6</b>			<b>56.8</b>			<b>62.39</b>			<b>1.72</b>			<b>8.94</b>		
	<b>Max. sorghum</b>	<b>12.6</b>			<b>15.0</b>			<b>74.8</b>			<b>79.29</b>			<b>5.88</b>			<b>11.64</b>		