

**TABLE 13: PHYSICAL QUALITY CHARACTERISTICS OF WHITE MAIZE (2019/20)**

Number of samples	Region	Test weight (kg/ha)			100 kernel mass (g)			Kernel size (%)						Breakage susceptibility (%)			Stress cracks (%)			SAGL Milling index 2020			GYA									
		ave.	min.	max.	ave.	min.	max.	Above 10 mm sieve		Below 8 mm sieve		< 6.35 mm sieve		< 4.75 mm sieve		ave.	min.	max.	ave.	min.	max.	ave.	min.	max.								
								ave.	min.	max.	ave.	min.	max.	ave.	min.										max.	ave.	min.	max.				
<b>WHITE</b>																																
1	Region 10	76.5	-	-	31.9	-	-	28.8	-	-	61.5	-	-	9.7	-	-	0.5	-	-	0.4	-	-	17	-	-	72	-	-	63	-	-	
2	Region 11	80.3	79.1	81.5	33.8	30.5	37.1	1.9	1.0	2.8	68.2	56.1	80.2	30.0	17.0	42.9	0.4	0.3	0.6	0.2	0.1	0.3	8	5	10	92	91	92	68	67	68	
13	Region 12	75.1	71.4	77.9	36.1	30.3	39.4	29.5	3.7	49.1	62.5	48.2	82.1	8.0	1.3	22.8	1.3	0.4	3.7	0.9	0.0	2.2	21	7	34	73	53	86	63	58	66	
17	Region 13	73.7	70.9	75.5	34.8	26.6	40.7	23.8	2.5	42.7	66.5	52.9	80.1	9.7	3.0	26.8	1.3	0.2	4.4	0.9	0.1	3.1	17	7	32	72	62	81	63	60	65	65
33	Region 14	75.4	71.6	78.5	36.1	30.7	42.1	32.6	13.6	55.6	60.9	40.3	74.0	6.5	2.3	18.9	0.7	0.0	1.8	0.5	0.0	1.7	11	3	24	73	45	95	63	56	68	68
34	Region 15	75.3	71.0	79.3	37.0	31.9	43.5	39.1	15.9	61.9	54.6	35.6	70.5	6.2	2.0	15.3	1.2	0.0	3.1	1.0	0.0	2.4	18	4	48	68	47	89	62	57	67	67
26	Region 16	75.4	72.0	78.6	36.3	33.5	41.0	30.6	14.4	55.4	62.1	42.9	76.6	7.4	1.7	15.3	1.2	0.0	4.4	0.9	0.0	2.8	16	4	39	72	59	91	63	60	68	68
21	Region 17	75.1	69.3	78.1	35.7	29.0	40.7	31.0	4.2	45.9	60.9	49.7	79.7	8.1	3.2	21.8	1.2	0.1	4.5	0.9	0.0	3.2	16	4	39	69	47	83	62	57	66	66
17	Region 18	73.4	63.4	79.4	33.8	26.3	36.9	26.0	12.4	38.8	64.3	55.9	71.6	9.8	3.7	17.2	1.3	0.3	3.7	1.0	0.3	2.7	20	8	38	61	26	81	60	51	65	65
20	Region 19	74.3	69.6	77.8	33.2	30.7	36.8	21.1	2.4	41.2	67.5	54.7	79.3	11.4	4.1	22.7	1.2	0.4	3.0	0.8	0.2	1.9	19	7	37	71	54	92	63	58	68	68
15	Region 20	74.7	67.0	77.7	36.3	29.4	44.7	33.2	11.0	63.7	58.5	34.8	74.9	8.3	1.5	22.4	1.1	0.0	3.4	0.7	0.0	2.6	17	5	37	70	58	81	62	59	65	65
34	Region 21	74.8	69.2	78.7	36.0	25.7	42.1	31.5	7.1	57.1	60.0	39.7	77.1	8.5	1.5	22.5	1.0	0.0	4.7	0.8	0.0	3.2	18	5	42	74	57	92	63	59	68	68
32	Region 22	76.2	74.0	79.0	36.8	31.2	41.9	34.5	8.6	55.2	57.7	40.8	76.2	7.8	3.0	19.2	0.9	0.1	2.0	0.7	0.1	1.6	15	6	28	69	57	84	62	59	66	66
56	Region 23	75.2	69.8	78.6	36.4	29.9	43.2	35.1	6.7	56.0	58.2	41.2	78.1	6.7	1.5	23.5	1.2	0.1	6.3	0.8	0.0	3.4	17	2	58	72	53	93	63	58	68	68
25	Region 24	74.4	66.5	81.1	33.8	27.2	41.8	30.4	2.8	47.3	60.6	46.4	77.7	9.1	4.1	32.1	2.1	0.6	5.3	1.6	0.3	4.1	19	5	43	66	31	91	61	53	67	67
3	Region 25	73.7	69.7	75.9	32.2	30.1	34.7	24.7	13.1	39.5	63.3	54.3	69.3	12.0	6.2	17.6	2.0	0.7	4.4	1.4	0.4	3.3	31	13	48	52	32	64	58	53	61	61
21	Region 26	73.9	67.4	81.2	32.7	25.0	37.3	25.0	1.1	51.1	61.9	45.6	78.2	13.1	2.7	48.7	1.7	0.2	4.5	1.2	0.1	3.3	24	7	44	68	35	98	62	54	69	69
11	Region 27	75.4	71.3	77.9	32.9	27.1	38.3	19.2	5.1	42.1	64.1	52.6	70.9	16.7	3.8	29.2	0.9	0.0	2.8	0.7	0.0	2.0	15	3	32	76	56	89	64	59	67	67
17	Region 28	78.2	73.6	82.0	32.3	19.3	39.0	21.5	2.3	46.8	61.6	47.3	71.2	16.8	2.6	49.4	0.7	0.0	2.2	0.5	0.0	1.7	11	2	31	85	69	96	66	62	69	69
17	Region 29	77.2	74.4	79.7	35.3	27.0	41.1	20.4	3.8	44.9	66.9	52.3	78.5	12.7	2.4	39.9	0.9	0.2	2.8	0.6	0.1	2.2	13	6	25	81	74	89	65	63	67	67
11	Region 30	76.9	75.4	79.3	29.8	22.7	36.0	16.6	1.5	49.8	63.2	45.2	71.8	20.2	5.0	48.2	0.8	0.2	1.9	0.6	0.1	1.5	11	6	23	77	68	89	64	62	67	67
15	Region 31	76.4	73.6	80.0	31.3	21.8	41.4	15.4	2.8	58.9	66.5	39.9	76.0	18.1	1.2	37.2	0.9	0.3	1.3	0.6	0.2	1.0	13	5	24	77	64	88	64	61	67	67
19	Region 32	76.4	71.8	79.8	33.6	28.0	40.4	22.2	7.4	46.3	64.8	50.7	75.0	13.0	3.0	25.1	0.9	0.0	2.0	0.6	0.0	1.5	15	3	34	74	60	82	63	60	65	65
13	Region 33	77.3	74.5	78.9	31.7	29.0	35.3	17.6	6.0	42.0	65.7	47.3	74.0	16.7	9.4	26.5	0.8	0.2	2.8	0.5	0.0	2.0	11	3	25	77	69	87	64	62	66	66
21	Region 34	77.2	73.8	80.0	35.2	22.2	43.4	19.7	6.3	49.8	68.1	47.1	79.4	12.3	3.1	29.4	0.8	0.0	2.3	0.6	0.0	1.8	9	3	18	81	65	92	65	61	68	68
3	Region 35	77.7	77.2	78.6	32.0	29.9	35.2	23.9	13.8	39.5	64.1	53.0	70.3	12.0	7.5	15.9	0.6	0.3	1.1	0.5	0.3	0.9	9	4	13	86	77	96	66	64	69	69
19	Region 36	78.1	74.5	81.7	34.5	30.2	38.0	18.2	5.8	35.3	68.7	58.5	83.8	13.1	6.0	28.7	1.0	0.0	5.5	0.6	0.0	2.7	16	2	58	87	76	99	67	64	69	69
<b>516</b>	<b>Ave. White</b>	<b>75.6</b>			<b>34.9</b>			<b>27.8</b>			<b>62.0</b>			<b>10.2</b>			<b>1.1</b>			<b>0.8</b>			<b>16</b>			<b>73</b>			<b>63</b>			<b>69</b>
	<b>Min. White</b>	<b>63.4</b>			<b>19.3</b>			<b>1.0</b>			<b>34.8</b>			<b>1.2</b>			<b>0.0</b>			<b>0.0</b>			<b>2</b>			<b>26</b>			<b>51</b>			<b>69</b>
	<b>Max. White</b>	<b>82.0</b>			<b>44.7</b>			<b>63.7</b>			<b>83.8</b>			<b>49.4</b>			<b>6.3</b>			<b>4.1</b>			<b>58</b>			<b>99</b>			<b>99</b>			<b>69</b>