

**TABLE 13: PHYSICAL QUALITY CHARACTERISTICS OF WHITE MAIZE (2022/23)**

Number of samples	Region	Test weight (kg/ha)			100 kernel mass (g)			Kernel size (%)			Below 6 mm sieve			Below 8 mm sieve			Breakage susceptibility (%)			Stress cracks (%)			SAGL Milling Index 2023			GYA			
		ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	
																													Above 10 mm sieve
<b>WHITE</b>																													
1	Region 11	78.5	-	-	34.8	-	-	74.6	-	-	22.0	-	-	1.5	-	-	1.5	-	-	8	-	-	98	-	-	69	-	-	
19	Region 12	76.0	73.9	78.3	38.3	31.9	42.3	58.2	41.1	78.5	6.6	2.0	27.1	1.3	0.4	3.5	1.1	0.4	2.0	7	1	30	73	61	83	63	60	65	
27	Region 13	75.3	72.4	77.6	36.5	29.2	41.5	61.1	41.9	69.6	9.5	2.0	31.7	1.4	0.0	3.2	1.1	0.0	2.5	8	2	27	68	45	96	62	56	69	
47	Region 14	76.2	71.9	79.3	34.7	27.5	40.9	63.1	36.7	75.6	11.6	1.1	31.5	0.8	0.0	3.3	0.7	0.0	2.4	6	1	16	67	44	89	62	56	67	
4	Region 15	76.0	75.2	76.6	38.8	36.5	40.0	46.7	41.3	55.6	3.5	3.2	4.3	0.9	0.6	1.3	0.7	0.6	0.9	3	0	5	71	69	72	63	62	63	
8	Region 16	76.8	74.8	79.0	36.8	31.0	40.5	58.2	53.3	63.6	7.9	3.0	22.9	1.9	0.8	3.7	1.3	0.8	1.8	7	2	16	70	58	78	62	59	64	
34	Region 17	75.6	73.5	77.8	33.8	26.4	37.8	61.6	46.2	77.0	11.4	3.1	35.1	0.8	0.0	3.0	0.7	0.0	2.2	5	0	14	67	53	81	62	58	65	
19	Region 18	75.9	72.5	78.7	33.5	28.3	38.0	64.8	38.7	72.0	14.9	4.0	27.7	1.0	0.4	3.0	0.8	0.4	2.0	7	2	13	72	60	83	63	60	66	
31	Region 19	75.3	70.2	79.8	33.0	23.8	40.5	66.8	56.9	77.3	15.8	3.1	33.0	1.5	0.4	3.6	1.1	0.1	2.7	8	0	25	70	40	93	62	55	68	
23	Region 20	76.7	73.4	78.7	35.7	33.7	43.1	64.8	48.6	76.1	12.7	3.8	24.4	0.9	0.1	3.5	0.7	0.1	2.6	7	0	20	73	62	85	63	60	66	
32	Region 21	75.1	69.1	79.0	35.5	29.4	40.5	60.7	40.8	80.1	10.7	2.1	30.5	1.7	0.4	3.9	1.3	0.2	2.7	12	2	34	67	54	81	62	59	65	
8	Region 22	76.0	74.3	77.9	37.8	33.0	40.7	56.1	43.5	66.5	8.2	0.4	26.4	1.6	0.3	4.2	1.4	0.3	3.4	6	1	14	69	60	77	62	60	64	
29	Region 23	76.9	74.3	78.4	38.9	32.6	45.5	55.9	38.5	73.2	6.4	1.7	21.0	1.1	0.0	4.1	0.9	0.0	2.2	6	0	27	72	61	84	63	60	66	
37	Region 24	76.0	73.1	78.6	35.8	27.5	42.2	58.3	38.2	73.3	9.8	2.0	37.9	1.1	0.2	3.9	0.9	0.2	3.1	5	0	19	67	35	81	62	54	65	
4	Region 25	74.9	72.4	76.5	36.8	32.3	40.0	56.5	48.7	74.8	8.0	4.6	17.4	4.3	0.7	10.6	2.7	0.7	6.1	38	23	63	67	57	75	62	59	64	
9	Region 26	75.6	72.2	78.1	36.0	31.5	43.0	64.2	46.9	76.1	10.0	2.4	18.6	1.4	0.2	3.3	0.9	0.2	1.9	11	2	28	66	40	90	61	55	67	
5	Region 27	76.3	74.3	77.5	32.1	27.4	36.9	62.0	56.9	69.5	24.5	3.5	39.6	1.2	0.3	1.8	0.8	0.3	1.4	15	6	28	71	69	74	63	62	63	
11	Region 28	77.4	75.3	79.4	35.8	32.5	40.5	63.3	57.5	67.0	11.1	3.5	25.9	0.6	0.2	1.3	0.6	0.2	1.3	2	0	7	79	66	94	64	61	68	
20	Region 29	77.2	71.4	79.5	35.0	27.0	42.4	64.9	42.8	77.0	15.9	2.4	36.3	0.9	0.2	2.2	0.7	0.2	2.1	10	1	21	75	66	88	64	61	67	
32	Region 30	77.4	73.8	81.0	35.0	28.7	39.3	65.7	46.0	77.5	13.3	3.7	31.0	1.0	0.0	3.2	0.8	0.0	2.5	6	0	17	74	58	89	63	59	67	
12	Region 31	78.0	77.0	79.9	34.9	30.7	38.6	70.6	62.8	80.4	16.3	9.3	25.3	0.7	0.1	1.7	0.6	0.1	1.7	5	1	11	76	69	81	64	62	65	
12	Region 32	76.4	72.6	78.1	34.5	24.7	53.8	67.0	57.2	78.0	19.9	7.4	38.0	1.0	0.2	4.0	0.8	0.2	2.3	7	1	19	74	58	81	63	59	65	
41	Region 33	76.9	71.7	80.6	34.5	24.1	43.2	67.6	58.0	78.1	17.8	4.2	34.9	1.0	0.1	2.9	0.8	0.1	2.0	10	0	40	75	60	90	63	60	67	
31	Region 34	76.1	71.9	80.8	35.2	29.4	42.3	66.1	51.2	79.3	14.8	3.8	35.9	1.1	0.1	3.5	0.8	0.1	2.3	9	0	22	71	54	90	63	58	67	
10	Region 35	77.0	73.1	80.1	36.3	33.4	43.0	62.0	42.9	71.0	10.3	1.6	21.2	0.9	0.1	1.7	0.7	0.1	1.7	5	2	9	78	66	93	64	61	68	
14	Region 36	76.4	72.9	79.7	33.7	27.9	39.5	66.3	51.1	74.4	16.6	6.7	33.1	1.5	0.1	4.1	1.1	0.1	2.9	8	0	18	75	59	84	63	60	66	
520	Ave. White	76.3			35.3			62.9			12.5			1.1			0.9			8			71			63			
	Min. White	69.1			23.8			36.7			0.4			0.0			0.0			0			35			54			
	Max. White	81.0			53.8			80.4			39.6			6.1			10.6			63			98			69			