

TABLE 15: PHYSICAL QUALITY CHARACTERISTICS OF WHITE MAIZE (2023/24)

Number of samples	Region	Test weight (kg/ht)			100 kernel mass (g)			Kernel size (%)						Breakage susceptibility (%)						Stress cracks (%)			SAGL Milling index 2024			GYA					
		ave.	min.	max.	ave.	min.	max.	Above 10 mm sieve		Above 8 mm sieve		Below 8 mm sieve		< 6.35 mm sieve		< 4.75 mm sieve		ave.	min.	max.	ave.	min.	max.	ave.	min.	max.					
								ave.	max.	ave.	min.	ave.	max.	ave.	min.	ave.	min.										max.				
GRADE: WHITE																															
17	Region 12	76.5	73.6	79.0	34.0	24.5	39.8	22.8	1.1	40.0	62.2	48.3	95.5	14.9	2.5	50.6	0.7	0.0	2.3	0.6	0.0	2.3	5	0	12	83	68	97	65	62	69
8	Region 13	75.8	72.7	78.3	27.9	20.8	38.7	8.3	1.8	27.2	58.0	33.8	73.3	33.8	5.5	64.3	0.8	0.1	1.6	0.5	0.1	1.3	2	0	4	80	55	92	65	59	68
20	Region 14	75.7	70.5	79.0	29.4	15.1	37.6	20.0	0.0	40.1	57.1	28.8	72.0	23.0	4.8	71.2	0.6	0.0	2.0	0.5	0.0	1.7	3	0	12	78	64	92	64	61	68
13	Region 15	77.0	75.1	80.0	36.4	31.5	40.0	34.8	7.7	45.0	58.3	49.9	73.6	6.8	2.3	18.7	0.8	0.2	2.4	0.6	0.2	1.4	3	0	12	72	68	90	63	62	67
9	Region 16	76.7	73.8	78.3	30.9	22.5	37.0	20.6	1.4	32.4	59.1	35.0	68.1	20.3	4.8	63.6	0.7	0.1	2.3	0.5	0.1	1.5	2	1	4	73	63	92	63	61	68
26	Region 17	76.6	71.9	80.4	29.5	20.1	38.6	19.1	1.2	62.0	58.6	0.6	75.8	22.4	1.7	59.3	0.6	0.1	1.9	0.5	0.0	1.7	3	0	8	77	59	95	64	60	68
24	Region 18	76.3	72.4	80.0	30.8	21.4	39.2	16.8	1.4	47.8	62.7	41.6	76.1	20.5	2.2	57.0	0.9	0.2	4.7	0.7	0.2	3.3	4	1	11	72	57	91	63	59	68
23	Region 19	77.5	72.9	81.5	28.3	21.9	42.7	7.9	0.4	60.1	59.5	22.3	77.1	32.6	1.6	77.3	0.9	0.0	2.4	0.6	0.0	1.6	3	1	16	83	62	104	65	60	71
22	Region 20	75.3	72.2	78.3	27.9	21.6	38.8	13.3	2.0	38.2	63.0	44.7	80.3	23.7	7.8	53.0	0.9	0.0	3.6	0.8	0.0	3.6	3	1	7	70	54	80	62	59	65
27	Region 21	75.7	66.9	79.1	30.5	20.1	39.7	19.6	0.8	41.8	61.4	42.2	74.3	19.1	5.4	57.0	1.1	0.1	4.5	0.8	0.1	2.6	5	1	13	73	57	88	63	59	67
32	Region 22	75.6	73.6	78.0	33.2	26.7	40.7	31.4	1.3	62.7	57.5	34.3	71.5	11.1	2.5	54.6	1.1	0.0	3.9	0.9	0.0	3.5	3	0	14	66	42	75	61	56	64
37	Region 23	76.5	73.5	78.3	36.5	32.1	41.4	36.8	10.0	55.6	57.3	42.7	70.1	5.9	1.7	19.9	0.8	0.0	2.9	0.7	0.0	2.3	4	0	18	70	60	76	62	60	64
28	Region 24	76.0	72.7	78.7	30.9	19.2	42.3	19.3	0.9	45.3	56.8	19.2	72.0	23.9	3.0	79.9	1.1	0.1	2.8	0.8	0.1	2.2	5	1	15	72	60	89	63	60	67
1	Region 25	74.7	-	-	24.3	-	-	10.5	-	-	61.1	-	-	28.4	-	-	1.0	-	-	1.0	-	-	7	-	-	68	-	-	-	-	-
7	Region 26	76.2	72.0	79.5	28.4	20.7	36.7	14.5	3.4	30.2	64.9	58.7	68.4	20.6	2.3	36.9	1.0	0.3	1.9	0.7	0.0	1.4	3	0	7	76	61	93	64	60	68
13	Region 28	76.0	73.5	78.7	28.8	24.9	37.8	19.6	4.5	40.0	63.0	44.9	70.4	17.4	6.0	50.6	0.6	0.2	2.2	0.4	0.0	1.2	3	0	13	73	64	85	63	61	66
33	Region 29	75.5	71.9	79.8	30.2	23.4	34.6	21.1	1.1	42.3	62.1	50.6	70.8	16.8	4.2	39.6	0.8	0.2	1.7	0.6	0.2	1.1	2	0	7	69	53	85	62	58	66
38	Region 30	76.4	72.0	81.2	31.6	25.5	41.2	10.7	0.3	27.0	69.0	55.2	76.1	20.3	8.3	44.5	1.1	0.3	3.0	0.9	0.1	2.0	5	0	29	72	49	88	63	57	67
14	Region 31	75.8	70.1	79.6	27.1	23.1	29.5	6.1	1.6	12.0	65.5	47.4	74.0	28.4	17.9	49.8	0.6	0.0	2.9	0.4	0.0	1.2	4	0	12	74	55	79	63	58	65
16	Region 32	75.0	70.8	78.3	29.8	18.0	35.5	13.6	0.5	28.8	61.6	32.8	71.0	24.9	8.4	66.0	1.1	0.1	3.2	0.7	0.1	1.7	3	0	6	70	57	81	62	59	65
51	Region 33	77.0	68.9	80.8	32.4	25.8	40.7	13.5	2.6	48.5	67.9	49.3	81.3	18.6	2.2	32.6	0.8	0.0	3.0	0.6	0.0	2.0	5	0	13	74	59	87	63	60	67
33	Region 34	76.0	71.5	80.9	32.4	25.4	37.6	19.1	1.2	37.5	65.5	51.6	73.5	15.4	3.1	34.6	1.4	0.2	3.8	1.1	0.2	3.2	4	1	16	73	52	96	63	58	69
10	Region 35	75.4	73.1	79.3	32.3	24.7	35.2	14.6	1.6	49.4	67.9	46.9	78.2	17.5	3.7	42.4	0.9	0.1	3.6	0.7	0.1	2.8	5	1	11	73	54	86	63	58	66
16	Region 36	76.8	73.3	79.2	33.2	29.4	35.8	12.9	6.5	28.0	70.4	64.0	76.9	16.7	6.6	24.0	1.8	0.2	3.4	1.3	0.2	2.3	9	1	35	78	67	86	64	62	66
518	Ave. White	76.2	76.2	81.5	31.4	18.8	42.7	18.8	0.0	62.7	62.3	0.6	95.5	18.9	1.6	79.9	0.9	0.0	4.7	0.7	0.0	3.6	4	0	35	73	42	104	63	56	71
	Min. White	66.9	66.9	81.5	15.1	15.1	42.7	15.1	0.0	62.7	62.3	0.6	95.5	18.9	1.6	79.9	0.9	0.0	4.7	0.7	0.0	3.6	4	0	35	73	42	104	63	56	71
	Max. White	81.5	81.5	81.5	42.7	42.7	42.7	42.7	0.0	62.7	62.3	0.6	95.5	18.9	1.6	79.9	0.9	0.0	4.7	0.7	0.0	3.6	4	0	35	73	42	104	63	56	71