

TABLE 19: PHYSICAL QUALITY CHARACTERISTICS OF WHITE MAIZE ACCORDING TO REGION (2024/25)																															
Number of samples	Region	Test weight (kg/ht)			100 kernel mass (g)			Kernel size (%)						Breakage susceptibility (%)						Stress cracks (%)			SAGL Milling Index 2025			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.	min.	max.		
GRADE: WHITE																															
2	Region 11	81.3	81.3	81.3	36.6	36.6	36.6	4.6	4.2	5.0	74.7	73.5	75.8	20.8	19.2	22.3	1.0	0.7	1.2	0.9	0.7	1.1	4	3	4	89	86	91	67	66	68
7	Region 14	77.2	73.2	79.7	37.4	31.4	41.7	35.6	2.1	56.2	54.9	40.7	74.2	9.5	2.9	23.7	0.6	0.3	0.8	0.6	0.3	0.8	2	0	5	68	62	83	62	60	65
31	Region 15	77.1	72.4	79.7	38.1	31.3	43.5	37.4	2.3	56.7	56.0	41.2	74.4	6.5	1.5	33.2	0.7	0.0	2.5	0.6	0.0	2.2	3	1	9	79	61	93	65	60	68
11	Region 16	76.3	72.7	79.3	36.2	30.7	41.8	30.1	5.9	49.7	59.9	44.9	73.1	10.0	3.5	21.0	1.1	0.0	2.8	0.9	0.0	1.8	3	1	5	82	62	94	65	60	68
4	Region 17	75.0	74.1	76.2	38.5	36.8	40.0	39.1	35.6	47.1	57.2	49.3	61.2	3.8	3.2	5.0	0.8	0.5	1.0	0.8	0.5	1.0	1	0	1	69	67	70	62	62	62
14	Region 18	77.1	73.1	79.3	35.6	25.2	39.0	24.8	9.8	50.1	65.1	47.9	75.3	10.1	2.0	24.3	1.4	0.2	2.8	0.9	0.0	2.0	4	1	12	78	64	89	64	61	67
12	Region 21	76.9	72.5	79.8	36.6	25.0	41.8	25.6	9.2	44.0	64.6	53.2	81.0	9.8	2.5	25.8	1.1	0.0	2.7	0.9	0.0	2.1	6	1	22	79	67	95	65	62	68
9	Region 22	78.5	75.9	80.3	39.2	37.2	42.3	38.1	30.3	49.4	57.3	46.7	65.4	4.6	3.1	8.4	0.7	0.1	2.4	0.6	0.1	1.8	1	0	3	82	73	95	65	63	68
43	Region 23	77.6	75.4	80.5	39.2	32.9	45.3	40.0	4.3	56.5	54.5	40.7	73.7	5.5	0.3	25.7	1.1	0.2	2.6	0.9	0.2	2.0	5	0	17	84	71	100	66	63	70
46	Region 24	76.9	66.0	80.1	37.3	25.0	43.4	34.6	2.6	64.5	56.3	33.1	74.9	9.2	0.7	37.5	0.9	0.0	2.5	0.8	0.0	1.9	4	0	13	77	36	97	64	54	69
3	Region 25	77.8	76.3	79.7	36.3	34.7	38.6	28.4	8.1	45.4	63.7	52.9	74.2	7.9	1.7	17.7	0.8	0.5	1.4	0.8	0.5	1.4	6	5	8	83	69	100	66	62	70
12	Region 26	75.4	68.8	80.3	36.5	27.2	42.0	25.4	9.4	42.9	66.1	52.5	80.9	8.5	3.2	28.5	0.8	0.0	2.7	0.7	0.0	2.1	4	1	8	76	45	97	64	56	69
11	Region 27	78.1	75.6	82.7	37.8	32.7	43.3	31.7	5.2	57.4	59.3	40.0	79.1	9.0	1.5	19.5	0.9	0.3	1.4	0.7	0.1	1.3	5	3	15	84	70	98	66	62	69
20	Region 28	76.6	71.9	80.3	36.5	29.4	42.9	30.1	5.2	52.8	58.4	45.0	77.1	11.6	1.8	36.2	1.0	0.0	5.3	0.7	0.0	3.4	6	0	29	73	40	88	63	55	67
28	Region 29	77.1	74.2	80.9	36.4	21.6	43.6	20.6	1.8	58.0	66.7	40.0	82.4	12.7	2.0	41.1	1.1	0.0	2.7	0.9	0.0	2.6	8	2	23	79	68	90	65	62	67
42	Region 30	75.2	71.1	79.9	34.7	28.5	40.1	19.8	1.9	56.7	68.0	40.8	77.4	12.2	2.5	36.6	1.3	0.1	6.5	1.0	0.1	3.7	6	0	21	73	46	88	63	56	67
16	Region 31	77.7	73.7	79.9	37.3	32.6	42.6	14.6	4.8	27.0	71.9	62.7	82.1	13.5	6.4	20.3	0.6	0.0	1.3	0.5	0.0	1.3	3	0	9	78	66	92	64	61	68
29	Region 32	76.6	73.1	79.6	37.8	29.8	45.8	25.4	2.0	58.2	63.7	38.6	78.4	10.9	2.7	40.8	1.1	0.4	2.3	1.0	0.3	2.0	6	1	20	77	66	95	64	61	68
69	Region 33	76.3	72.3	79.9	35.8	25.6	41.8	22.1	5.2	86.2	65.4	0.3	79.1	12.5	2.6	57.7	0.7	0.0	2.7	0.6	0.0	2.2	4	0	19	76	53	91	64	58	67
29	Region 34	75.5	69.9	78.9	36.8	25.5	41.6	23.9	5.4	47.3	64.7	49.1	80.0	11.4	3.5	27.4	1.0	0.0	3.2	0.7	0.0	2.0	7	0	17	78	64	93	64	61	68
7	Region 35	77.8	75.5	80.0	33.7	26.6	36.6	12.0	0.4	32.3	64.9	51.1	78.8	23.1	4.3	48.5	0.5	0.1	1.1	0.5	0.1	1.1	3	1	6	78	65	94	64	61	68
13	Region 36	76.8	74.3	80.8	33.7	27.8	38.5	13.4	5.9	51.5	66.8	40.5	74.8	19.8	8.0	33.4	1.1	0.1	2.3	0.9	0.1	2.3	5	0	12	77	69	90	64	62	67
458	Ave. White	76.7			36.8			27.1			62.3			10.6			0.9			0.8			5			78			64		
	Min. White	66.0			21.6			0.4			0.3			0.3			0.0			0.0			0			36			54		
	Max. White	82.7			45.8			86.2			82.4			6.5			6.5			3.7			29			100			70		