

TABLE 17: PHYSICAL QUALITY CHARACTERISTICS OF YELLOW MAIZE (2023/24)																																
Number of samples	Region	Test weight (kg/hi)			100 kernel mass (g)			Kernel size (%)						Breakage susceptibility (%)						Stress cracks (%)			SACL 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.	min.	max.			
GRADE: YELLOW																																
5	Region 06	75.9	75.4	76.4	37.3	32.5	39.7	3.0	1.1	5.2	72.8	69.6	74.4	24.2	21.8	27.9	1.6	0.6	2.9	1.3	0.6	2.1	15	0	42	62	54	71	60	58	63	
14	Region 08	74.0	66.9	79.5	23.6	17.6	34.3	3.1	0.0	22.3	48.0	9.9	71.8	48.9	6.6	90.1	1.1	0.1	3.1	0.5	0.1	1.1	2	0	3	79	55	100	65	59	70	
16	Region 10	79.0	76.3	81.0	34.9	30.9	39.7	1.9	0.8	3.7	57.4	38.7	69.8	40.7	28.2	60.5	0.7	0.0	1.9	0.6	0.0	1.5	10	2	34	72	59	82	63	60	65	
12	Region 11	78.1	75.9	79.6	32.4	27.4	37.8	1.4	0.0	3.7	53.9	40.5	70.9	44.7	25.9	57.4	1.1	0.3	2.1	0.8	0.3	1.7	7	2	14	71	63	78	63	61	64	
2	Region 12	77.5	76.4	78.6	27.4	22.2	32.5	0.5	0.4	0.5	33.9	32.7	35.0	65.7	64.5	66.9	1.9	1.2	2.6	1.4	1.2	1.6	10	4	15	88	85	91	67	66	67	
2	Region 13	75.7	74.9	76.4	25.2	25.0	25.4	4.4	2.8	6.0	56.9	51.1	62.6	38.8	31.4	46.1	1.6	0.5	2.6	0.6	0.5	0.8	3	2	3	83	79	88	66	64	67	
8	Region 14	76.6	72.9	79.9	25.2	16.3	34.4	5.6	0.0	35.1	36.9	6.0	64.0	57.6	7.8	94.0	0.7	0.0	1.7	0.6	0.0	1.3	4	1	8	82	76	88	65	64	67	
7	Region 15	77.9	75.8	79.3	36.3	34.4	40.5	2.9	0.5	5.9	64.7	56.4	69.5	32.4	26.8	39.9	1.0	0.4	2.0	0.9	0.3	1.4	4	2	7	79	60	85	64	60	66	
6	Region 17	76.4	73.7	79.4	29.0	21.7	37.5	7.4	2.1	20.7	59.9	44.1	71.7	32.7	12.0	52.9	1.1	0.5	2.9	1.1	0.5	2.7	6	0	15	81	75	87	65	63	66	
8	Region 18	74.1	71.4	77.1	26.4	19.9	30.0	2.5	0.1	4.5	52.4	30.8	71.6	45.2	24.9	69.1	1.8	0.9	3.0	1.4	0.7	2.2	5	0	13	71	56	78	63	59	64	
14	Region 19	75.0	70.7	79.6	27.5	21.5	35.4	5.0	0.0	14.8	54.4	19.0	76.7	40.6	13.2	80.8	1.3	0.7	3.0	0.9	0.3	1.4	4	0	11	82	67	91	65	62	67	
6	Region 20	76.0	73.9	79.6	28.4	25.1	33.8	4.2	1.2	8.3	59.7	54.2	64.5	36.1	31.4	42.2	1.0	0.4	1.8	0.8	0.2	1.8	3	0	8	74	68	84	63	62	66	
6	Region 21	74.8	71.7	76.9	24.3	18.4	34.9	2.9	0.2	7.4	46.2	20.3	72.5	50.9	21.8	79.5	1.1	0.3	2.5	0.7	0.3	1.2	6	1	27	82	69	91	65	62	68	
3	Region 22	74.4	71.9	77.3	29.1	26.3	33.8	4.4	1.6	9.0	58.2	50.3	65.8	37.4	25.2	48.1	1.2	0.7	1.8	1.0	0.7	1.4	6	3	11	71	64	79	63	61	64	
14	Region 24	75.8	71.7	78.6	28.2	20.5	38.6	2.1	0.0	7.0	55.1	26.9	73.2	42.9	25.8	72.1	1.6	0.1	5.2	1.2	0.1	3.9	6	0	28	73	58	84	63	60	66	
12	Region 25	73.3	70.5	75.3	25.5	20.0	28.3	3.7	1.0	9.8	54.2	31.6	73.1	42.1	17.1	65.7	1.6	0.5	3.2	1.1	0.4	2.3	3	0	9	72	61	81	63	60	65	
15	Region 26	73.9	70.9	77.2	23.6	20.7	30.5	3.4	0.0	12.2	50.6	25.8	70.8	46.0	21.3	71.9	1.6	0.5	3.9	1.0	0.5	1.6	3	1	8	76	63	97	64	61	69	
5	Region 27	76.0	74.9	76.7	25.6	23.2	30.0	6.6	1.4	18.7	53.5	40.8	69.1	40.0	12.2	56.6	1.1	0.8	1.5	0.8	0.6	1.1	3	1	6	80	69	87	65	62	67	
44	Region 28	75.1	68.4	80.7	28.3	19.2	39.0	6.9	0.1	36.1	58.0	21.6	76.7	35.1	3.9	77.7	1.1	0.0	3.0	0.8	0.0	2.3	5	1	16	76	45	101	64	56	70	
41	Region 29	76.0	70.6	81.2	27.4	19.7	39.0	6.8	0.0	26.4	55.3	18.4	79.9	37.9	4.5	81.6	1.1	0.1	2.6	0.8	0.1	1.6	4	0	17	82	69	91	65	62	67	
43	Region 30	74.8	66.8	81.4	28.9	16.6	39.6	6.6	0.0	35.4	60.9	20.5	80.4	32.5	3.7	79.2	1.4	0.2	3.5	1.1	0.1	2.9	4	0	15	77	64	88	64	61	67	
65	Region 31	75.9	70.5	78.9	28.3	20.4	37.7	6.1	0.0	22.3	59.8	34.9	76.3	34.1	9.2	65.1	0.6	0.0	2.7	0.5	0.0	1.7	3	0	12	77	69	92	64	62	68	
49	Region 32	75.7	69.3	79.0	29.3	19.1	37.1	10.0	0.0	29.8	57.6	10.1	74.7	32.5	7.5	89.9	0.9	0.0	2.3	0.7	0.0	1.5	5	0	17	77	67	89	64	62	67	
29	Region 33	76.3	69.0	78.2	31.3	26.4	36.9	9.9	1.2	24.2	61.2	40.5	70.7	28.9	6.2	57.6	1.2	0.1	2.7	0.9	0.1	2.0	5	0	10	73	45	85	63	56	66	
26	Region 34	75.2	68.7	78.8	27.4	20.5	34.3	4.3	0.2	19.1	56.4	32.1	71.9	39.2	9.6	65.9	1.2	0.0	4.6	0.9	0.0	4.6	4	0	12	78	57	85	64	59	66	
7	Region 35	75.9	74.5	77.6	32.4	27.0	38.4	6.6	1.2	15.7	63.7	54.4	73.4	29.6	14.9	41.9	1.7	0.2	4.5	1.5	0.2	3.8	6	2	13	75	57	88	63	59	67	
23	Region 36	76.2	72.3	80.4	31.8	28.3	39.1	3.1	0.6	8.5	56.6	33.8	75.2	40.2	20.3	65.0	1.7	0.5	3.9	1.3	0.4	2.8	8	0	20	68	54	79	62	58	64	
482	Ave. Yellow	75.7			28.7			5.8			57.0			37.2			1.1			0.8			5			76			64			
	Min. Yellow	66.8			16.3			0.0			6.0			3.7			0.0			0.0			0			45			56			
	Max. Yellow	81.4			40.5			36.1			80.4			94.0			5.2			4.6			101			70						