

TABLE 15: PHYSICAL QUALITY CHARACTERISTICS OF YELLOW MAIZE (2022/23)

Number of samples	Region	Test weight (kg/hl)			100 kernel mass (g)			Kernel size (%)						Breakage susceptibility (%)						Stress cracks (%)			SAGL Milling index 2023			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.	ave.	min.	max.	ave.	min.	max.	ave.										min.	max.				
YELLOW																																
3	Region 06	76.8	76.1	77.5	37.0	34.5	39.6	2.7	0.9	4.2	67.6	61.1	72.4	29.7	23.4	35.8	2.5	1.2	3.4	2.1	1.2	3.0	22	15	27	69	62	79	62	61	65	
6	Region 08	74.5	71.3	76.1	32.2	30.0	34.7	5.6	1.5	14.0	60.1	49.5	67.2	34.3	21.2	47.7	0.9	0.4	1.9	0.7	0.4	1.2	7	2	11	58	51	62	59	58	60	
22	Region 10	78.6	75.9	82.2	35.1	29.8	38.7	2.0	0.6	4.9	56.4	38.7	74.0	41.7	21.1	60.4	0.8	0.2	1.6	0.7	0.2	1.6	9	2	16	73	50	88	63	58	67	
25	Region 11	78.6	76.9	80.1	34.3	27.8	38.3	1.7	0.0	4.7	56.6	30.2	81.1	41.7	16.6	69.8	0.8	0.1	2.1	0.7	0.0	1.7	8	2	15	70	54	82	62	58	65	
4	Region 12	75.1	74.4	75.9	31.0	26.0	36.1	11.7	2.6	30.7	64.1	54.2	73.9	24.2	7.8	43.2	1.8	1.0	3.0	1.5	0.7	2.4	7	5	9	80	71	89	65	63	67	
4	Region 13	73.9	71.4	76.4	31.4	29.7	34.8	10.2	7.3	12.4	70.8	66.4	75.7	19.0	11.9	26.3	1.9	1.3	2.8	1.5	1.1	1.9	12	8	14	87	80	90	66	65	67	
5	Region 14	77.4	76.2	79.1	30.5	23.3	36.5	10.8	0.4	37.0	57.7	38.1	74.6	31.5	4.7	61.5	0.8	0.1	1.4	0.6	0.1	0.8	4	3	6	76	69	83	64	62	65	
6	Region 16	76.5	74.5	78.8	30.0	28.3	32.2	7.4	3.6	12.2	65.1	55.1	71.0	27.5	19.9	34.2	1.6	0.6	3.3	1.1	0.6	2.1	6	2	9	73	63	89	63	61	67	
5	Region 17	75.8	73.8	77.9	30.4	28.9	31.8	9.9	5.6	15.4	67.2	60.3	75.2	23.0	17.6	33.2	1.1	0.5	2.1	0.9	0.5	1.2	6	1	11	80	71	88	65	63	67	
6	Region 18	77.4	75.3	80.5	31.8	26.4	37.0	6.3	3.4	9.0	62.8	58.5	68.8	30.9	25.7	38.1	1.4	0.1	2.5	1.2	0.1	2.2	11	6	14	82	76	88	65	64	67	
7	Region 19	77.1	75.6	78.8	27.1	24.7	28.7	3.4	0.0	6.2	58.0	46.9	68.9	38.6	24.9	53.1	1.0	0.1	2.1	0.6	0.1	1.3	5	0	13	82	75	89	65	64	67	
7	Region 20	76.4	74.0	78.5	32.4	30.3	36.0	6.7	3.9	8.8	66.7	62.4	69.1	26.6	22.1	30.8	1.2	0.2	2.6	0.8	0.2	1.6	6	1	18	75	66	84	64	61	66	
11	Region 21	75.4	73.5	77.9	32.7	27.5	36.9	6.3	0.4	14.6	66.9	49.1	79.7	26.7	10.2	50.4	2.5	0.6	6.6	1.9	0.6	4.5	14	2	25	71	49	94	63	57	68	
3	Region 23	76.1	73.6	77.9	33.4	28.0	37.3	4.8	2.5	6.8	70.3	62.4	75.7	24.9	17.5	35.1	1.8	1.2	2.2	1.5	0.7	2.2	5	4	7	81	79	84	65	65	66	
16	Region 24	74.8	72.6	77.0	28.1	22.2	32.9	3.7	0.1	10.8	62.4	48.3	76.0	33.9	17.5	50.6	2.1	0.5	5.9	1.3	0.5	4.0	7	1	20	70	51	84	62	58	66	
21	Region 25	73.9	69.1	76.2	30.2	23.3	35.7	10.1	5.0	23.2	67.8	53.0	74.1	22.1	9.6	38.3	1.1	0.1	3.7	0.7	0.1	2.8	13	1	57	62	37	86	60	54	66	
23	Region 26	75.3	69.5	77.8	29.2	24.9	32.3	7.1	1.6	16.5	63.1	43.3	71.6	29.8	18.2	53.4	1.3	0.4	3.2	0.9	0.2	2.1	6	0	25	64	52	78	61	58	64	
18	Region 27	75.4	71.3	79.0	30.5	24.0	37.7	7.5	2.1	18.0	63.5	53.8	73.8	29.0	13.2	44.1	5.2	0.4	69.0	4.7	0.4	67.3	9	2	17	74	60	89	63	60	67	
48	Region 28	76.0	71.9	79.8	30.4	23.2	39.4	8.7	0.4	28.7	63.4	17.4	75.9	27.9	6.1	82.2	1.2	0.2	9.5	0.9	0.1	5.2	7	0	23	72	56	88	63	59	67	
41	Region 29	77.4	71.2	80.6	31.8	23.2	38.2	8.8	1.1	31.0	65.3	35.5	75.7	25.9	2.8	63.4	1.0	0.2	4.0	0.7	0.2	2.4	6	0	19	76	58	91	64	59	67	
45	Region 30	76.8	73.4	81.6	32.5	24.3	37.5	10.7	0.8	26.6	64.9	38.1	77.0	24.4	7.0	60.9	1.2	0.1	7.2	0.8	0.0	3.6	7	0	36	74	51	89	63	58	67	
36	Region 31	76.8	72.1	79.6	32.0	25.6	37.2	6.2	0.5	15.0	60.9	37.4	74.0	32.9	15.0	61.2	0.7	0.0	1.5	0.6	0.0	1.3	5	0	16	73	62	81	63	60	65	
31	Region 32	76.6	71.8	80.7	32.2	24.6	39.4	9.2	0.0	33.1	61.8	38.7	75.0	28.9	4.8	61.3	0.9	0.2	3.2	0.7	0.2	2.4	6	1	22	75	63	85	63	61	66	
26	Region 33	76.8	73.8	80.3	31.1	25.4	36.0	5.8	0.4	16.2	62.3	42.0	72.3	31.9	11.5	57.1	1.0	0.1	3.6	0.8	0.1	2.5	6	0	18	70	49	82	62	57	65	
24	Region 34	76.1	70.1	79.7	31.5	25.3	37.0	7.0	0.4	22.1	61.1	40.5	74.8	31.9	11.4	57.9	1.3	0.2	3.8	1.0	0.2	3.0	7	1	19	77	53	93	64	58	68	
7	Region 35	76.3	73.9	77.9	31.5	27.7	36.5	3.7	1.0	7.0	60.6	43.2	70.6	35.7	22.8	54.2	1.4	0.1	2.9	1.1	0.1	2.3	8	5	12	71	55	86	63	59	66	
30	Region 36	75.5	71.9	78.9	31.8	24.3	36.7	3.9	0.6	10.4	52.8	29.2	74.5	43.3	21.6	70.0	1.8	0.9	3.0	1.3	0.7	1.9	12	1	25	64	55	84	61	59	66	
480	Ave. Yellow	76.4	69.1	82.2	31.6	22.2	39.6	7.0	0.0	37.0	62.1	17.4	81.1	30.9	2.8	82.2	1.4	0.0	69.0	1.0	0.0	67.3	8	0	57	72	37	94	63	54	68	
	Min. Yellow																															
	Max. Yellow																															