

TABLE 15: PHYSICAL QUALITY CHARACTERISTICS OF YELLOW MAIZE (2020/21)																																
Number of samples	Region	Test weight (kg/ht)			100 kernel mass (g)			Above 10 mm sieve			Kernel size (%)			Below 8 mm sieve			Breakage susceptibility (%)			Stress cracks (%)			SAGL Milling index 2021			GYA						
		kernel mass (g)			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.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.				
YELLOW																																
28	Region 10	78.6	73.8	82.6	35.9	32.0	43.8	3.2	0.0	10.1	68.1	48.7	81.0	28.8	9.1	48.8	0.5	0.0	1.8	0.4	0.0	1.4	8	1	20	72	41	84	63	55	66	
15	Region 11	78.4	71.6	80.1	34.0	23.6	38.0	4.9	0.6	20.7	67.2	39.3	78.4	27.9	16.0	60.1	0.8	0.0	2.2	0.6	0.0	1.8	11	3	19	73	51	87	63	58	67	
2	Region 12	75.9	75.1	76.6	32.6	28.8	36.4	8.1	5.6	10.5	66.7	66.6	66.8	25.3	22.7	27.8	0.6	0.2	0.9	0.5	0.1	0.8	7	3	10	80	77	84	65	64	66	
6	Region 13	77.1	74.5	78.4	28.4	25.8	30.2	6.9	4.1	15.6	70.6	65.7	75.4	22.5	12.6	30.0	0.7	0.1	1.3	0.5	0.0	1.1	9	4	14	85	82	88	66	65	67	
8	Region 14	76.9	74.9	79.0	29.9	26.0	34.3	6.4	3.0	13.2	66.3	55.0	78.8	27.3	10.9	41.8	1.2	0.4	2.0	0.9	0.3	1.4	14	6	25	83	71	91	66	63	67	
1	Region 16	76.7	76.7	76.7	28.7	28.7	28.7	3.3	3.3	3.3	64.8	64.8	64.8	31.9	31.9	31.9	0.7	0.7	0.7	0.6	0.6	0.6	6	6	6	71	71	71	63	63	63	
4	Region 17	77.3	75.7	79.8	28.3	25.9	30.7	4.5	2.1	7.1	63.4	59.2	69.9	32.2	24.0	38.3	0.4	0.0	1.2	0.3	0.0	1.0	9	5	15	82	73	86	65	63	66	
9	Region 18	75.7	72.1	77.6	29.3	25.5	34.1	7.1	4.7	9.7	69.7	64.3	77.6	23.2	16.3	29.8	1.5	0.4	2.8	1.2	0.3	2.3	17	5	32	83	80	87	65	65	66	
9	Region 19	74.9	71.2	78.9	27.0	22.7	31.3	9.1	3.1	15.8	62.2	5.6	77.0	28.7	15.2	88.1	0.9	0.2	2.9	0.7	0.2	2.1	10	5	20	85	79	87	66	65	66	
7	Region 20	77.2	76.1	79.1	30.1	27.1	37.1	3.7	1.5	6.8	67.8	60.2	75.5	28.5	22.0	37.3	0.7	0.1	1.5	0.5	0.1	1.3	13	4	33	77	69	82	64	62	65	
7	Region 21	75.8	73.9	78.0	27.3	21.4	32.7	5.6	0.8	13.7	64.0	55.6	73.9	30.4	15.8	43.1	1.0	0.2	2.4	0.7	0.1	1.7	13	2	20	84	79	90	66	65	67	
7	Region 22	77.3	75.8	78.3	28.9	27.6	30.0	5.1	2.3	7.4	65.1	58.1	71.4	29.9	22.7	39.0	1.0	0.4	2.2	0.9	0.3	1.9	10	3	21	81	67	94	65	62	68	
4	Region 23	76.6	75.4	77.8	28.4	27.1	30.0	6.6	2.5	11.6	60.7	46.2	68.8	32.7	19.6	51.3	0.9	0.4	1.4	0.7	0.4	1.0	9	4	15	78	62	90	64	60	67	
6	Region 24	75.8	71.8	78.3	30.2	26.5	33.7	3.6	1.6	8.1	64.7	60.2	69.8	31.8	22.1	37.0	1.2	0.0	2.9	0.9	0.0	1.7	15	5	29	69	56	82	62	59	65	
24	Region 25	74.8	70.7	76.6	29.0	26.3	32.1	5.9	0.8	26.1	63.5	47.6	69.7	30.6	17.6	51.0	0.9	0.0	2.4	0.7	0.0	1.9	15	6	33	68	56	88	62	59	67	
20	Region 26	75.2	72.2	77.2	28.6	25.5	34.2	6.9	1.7	26.8	65.3	60.0	71.2	27.8	6.2	35.1	1.1	0.2	3.5	0.9	0.1	2.1	16	4	33	75	59	100	64	60	70	
10	Region 27	74.4	71.4	76.8	26.0	22.8	32.2	3.6	0.8	9.0	61.2	53.4	75.2	35.2	15.8	44.8	1.0	0.7	1.6	0.9	0.6	1.4	15	7	28	77	75	79	64	64	65	
34	Region 28	75.6	72.0	78.8	29.7	23.4	38.5	6.1	0.1	32.0	64.3	49.0	76.5	29.6	8.2	50.0	0.8	0.0	2.3	0.6	0.0	1.5	13	3	28	73	55	86	63	59	66	
31	Region 29	76.8	74.2	79.4	31.5	27.9	38.0	7.7	0.6	16.8	69.8	58.8	78.7	22.5	10.5	38.2	0.7	0.0	1.6	0.5	0.0	1.3	15	4	49	79	59	89	65	60	67	
45	Region 30	76.3	71.6	78.5	33.4	26.3	39.5	11.1	2.1	32.5	68.2	46.9	80.1	20.7	6.1	47.5	0.5	0.0	2.2	0.4	0.0	1.4	10	3	32	77	60	95	64	60	68	
44	Region 31	77.5	74.3	80.2	32.1	26.7	37.1	8.7	0.4	23.0	67.0	58.9	81.8	24.3	9.8	37.0	0.5	0.0	1.6	0.4	0.0	1.4	9	2	23	77	61	93	64	60	68	
40	Region 32	77.1	73.5	80.3	32.8	20.9	37.2	10.4	0.6	21.8	66.2	39.5	76.1	23.4	9.7	55.5	0.7	0.0	1.8	0.5	0.0	1.4	11	4	21	79	70	89	65	62	67	
29	Region 33	76.1	71.3	79.7	32.3	26.1	38.2	7.4	1.0	23.3	66.1	47.6	73.9	26.4	9.1	50.5	0.8	0.0	2.0	0.6	0.0	1.7	12	4	23	70	59	81	62	60	65	
24	Region 34	76.3	70.9	79.5	29.5	19.9	37.4	8.1	0.1	31.8	62.2	37.3	74.3	29.7	13.0	62.6	0.7	0.0	1.8	0.5	0.0	1.2	11	5	24	82	72	94	65	63	68	
6	Region 35	77.3	73.7	79.9	29.4	22.4	34.1	5.2	1.2	13.2	62.9	51.5	72.1	31.9	20.7	46.8	0.9	0.2	1.8	0.8	0.2	1.5	12	8	15	79	50	89	65	58	67	
20	Region 36	76.3	74.9	79.5	31.7	28.0	36.2	8.4	0.0	28.6	62.2	44.2	71.9	29.4	13.5	55.2	0.9	0.1	3.0	0.6	0.0	2.5	13	4	30	73	49	87	63	57	66	
440	Ave. Yellow	76.5	70.7	82.6	31.2	19.9	43.8	7.4	0.0	32.5	65.9	5.6	81.8	26.7	6.1	88.1	0.8	0.0	3.5	0.6	0.0	2.5	12	1	49	76	41	100	64	55	70	
	Min. Yellow																															
	Max. Yellow																															