

TABLE 15: PHYSICAL QUALITY CHARACTERISTICS OF YELLOW MAIZE (2019/20)

Number of samples	Region	Test weight (kg/ha)			100 kernel mass (g)			Kernel size (%)						Breakage susceptibility (%)						Stress cracks (%)			SAGL Milling index 2020			GYA		
		ave.	min.	max.	ave.	min.	max.	Above 10 mm sieve		Below 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																												
1	Region 08	78.0	-	-	36.6	-	-	2.6	-	-	28.0	-	-	0.2	-	-	0.2	-	-	4	-	-	75	-	-	64	-	-
15	Region 10	78.6	74.9	80.0	35.0	29.9	38.6	4.3	1.0	14.9	29.3	15.2	51.8	0.6	0.0	1.5	0.5	0.0	1.0	12	4	23	75	59	91	64	60	68
11	Region 11	79.9	77.6	82.1	35.6	31.5	37.9	4.2	1.0	7.1	28.2	14.1	39.0	0.8	0.3	1.5	0.7	0.3	1.2	9	4	17	80	75	85	65	63	66
2	Region 12	78.3	76.2	80.3	32.9	32.1	33.6	15.1	4.9	25.2	19.9	12.7	27.0	1.2	0.8	1.5	0.9	0.6	1.3	11	8	14	87	81	92	66	65	68
2	Region 13	75.8	75.4	76.1	29.1	28.0	30.1	7.1	5.4	8.7	23.8	21.5	26.0	1.5	1.3	1.7	1.3	1.0	1.6	18	17	18	82	81	83	65	65	66
6	Region 14	77.4	75.1	79.3	31.2	26.8	35.8	8.0	3.9	14.8	23.5	15.5	38.2	0.7	0.2	1.8	0.6	0.1	1.6	14	7	24	89	83	97	67	66	69
6	Region 15	77.4	72.9	82.4	32.1	24.9	38.3	2.7	0.9	5.9	32.3	23.5	43.6	1.5	0.4	3.2	1.1	0.3	2.3	15	9	23	72	49	86	63	57	66
3	Region 16	77.4	74.7	79.7	33.5	29.0	38.3	19.2	11.9	23.4	16.6	12.9	22.9	0.9	0.4	1.5	0.6	0.2	1.2	13	6	24	87	77	95	66	64	68
1	Region 17	78.7	-	-	29.2	-	-	3.8	-	-	26.7	-	-	1.6	-	-	1.3	-	-	14	-	-	86	-	-	66	-	-
8	Region 18	76.1	73.6	79.2	28.5	25.5	32.1	5.3	1.2	9.3	29.2	21.4	37.2	1.5	0.3	3.0	1.1	0.1	2.1	15	8	25	78	65	88	64	61	67
2	Region 19	77.0	76.1	77.9	28.9	28.5	29.2	9.2	7.4	11.0	20.1	18.4	21.8	0.6	0.5	0.8	0.4	0.4	0.4	10	8	11	79	72	86	65	63	66
6	Region 20	77.9	76.0	80.9	31.4	27.5	35.3	9.8	4.9	13.5	20.9	17.8	27.9	0.8	0.3	1.4	0.5	0.2	0.9	9	6	16	83	76	85	65	64	66
9	Region 21	75.6	72.9	78.4	30.4	27.5	35.5	7.2	1.1	13.8	24.2	16.0	37.1	1.1	0.2	1.9	0.8	0.1	1.5	16	7	28	77	58	92	64	60	68
5	Region 22	75.1	73.1	77.5	30.8	28.2	33.0	4.7	1.4	9.5	33.3	26.0	40.1	1.4	0.9	2.0	1.0	0.7	1.6	15	10	22	76	74	80	64	63	65
3	Region 23	74.4	71.5	78.2	32.8	30.6	34.6	4.7	0.9	7.7	25.3	16.5	39.5	1.3	0.8	2.2	1.1	0.7	1.9	14	12	15	78	74	82	64	63	65
17	Region 24	74.8	63.9	79.3	30.8	23.2	39.3	4.8	1.6	10.9	27.4	10.4	36.6	1.9	0.0	6.0	1.4	0.0	3.7	24	8	48	68	34	89	62	54	67
7	Region 25	74.3	72.4	76.0	29.9	26.8	33.0	7.2	4.8	14.9	26.0	14.4	31.0	1.2	0.5	2.8	0.8	0.4	1.6	20	9	33	61	32	73	60	53	63
18	Region 26	74.4	67.4	77.9	29.4	26.3	35.2	9.6	2.5	30.1	25.9	6.1	39.8	1.4	0.4	3.3	1.0	0.1	2.8	16	7	28	70	53	92	62	58	68
19	Region 27	75.8	71.8	80.4	29.9	24.4	35.0	8.9	0.8	24.6	24.8	15.6	35.5	0.8	0.1	2.4	0.5	0.0	1.6	13	4	31	80	65	95	65	61	68
31	Region 28	75.4	67.0	80.9	26.8	18.9	32.9	5.3	0.0	19.4	36.8	10.7	68.5	1.0	0.0	3.7	0.6	0.0	2.6	12	4	46	75	44	92	63	56	68
35	Region 29	76.3	68.2	79.8	30.4	19.9	36.2	11.0	1.1	22.6	22.9	9.3	52.2	0.7	0.0	1.5	0.5	0.0	1.2	11	4	29	81	72	93	65	63	68
31	Region 30	74.8	69.0	77.9	28.5	19.8	35.3	8.8	1.5	23.5	26.4	6.1	46.6	1.1	0.2	2.7	0.8	0.1	1.7	15	5	30	75	60	87	64	60	66
33	Region 31	77.0	70.4	80.9	29.9	15.0	38.0	11.7	1.3	28.4	24.7	8.5	61.0	0.7	0.0	2.9	0.4	0.0	1.4	10	2	22	79	68	91	65	62	67
35	Region 32	76.8	72.5	79.7	30.3	24.0	35.3	11.1	1.5	22.3	22.4	10.9	53.8	1.0	0.1	4.9	0.7	0.0	3.2	12	3	32	77	65	87	64	61	66
17	Region 33	76.1	72.9	78.4	28.6	23.5	31.8	8.4	1.4	17.3	26.3	16.5	36.7	1.1	0.4	3.0	0.8	0.2	2.2	15	7	32	74	57	86	63	59	66
19	Region 34	77.2	74.7	81.6	31.5	28.0	34.9	9.4	3.5	27.4	21.1	10.4	32.3	0.5	0.1	1.7	0.3	0.0	1.0	7	2	16	81	72	94	65	63	68
4	Region 35	77.3	76.0	78.5	31.2	24.4	36.3	8.7	1.7	19.8	27.9	15.0	63.1	0.6	0.3	1.0	0.5	0.3	0.9	10	4	13	83	80	88	65	65	67
28	Region 36	76.8	70.6	79.9	32.3	21.4	38.0	7.6	0.0	21.4	30.6	9.9	61.3	1.2	0.1	2.5	0.9	0.1	2.3	19	4	38	78	47	94	64	57	68
374	Ave. Yellow	76.3			30.4			8.4	0.0	30.1	26.5	6.1	68.5	1.0	0.0	6.0	0.7	0.0	3.7	13	2	48	77	32	97	64	53	69
	Min. Yellow	63.9			15.0			0.0			6.1		68.5	0.0		6.0			3.7									
	Max. Yellow	82.4			39.3			30.1			82.1																	