

**TABLE 15: PHYSICAL QUALITY CHARACTERISTICS OF YELLOW MAIZE (2018/19)**

Number of samples	Region	Test weight (kg/h)			100 kernel mass (g)			Kernel size (%)						Breakage susceptibility (%)						Stress cracks (%)			SAGL Milling Index 2019			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.		
1	Region 03	80.9	-	-	30.0	-	-	2.8	-	-	36.3	-	-	0.6	-	-	0.5	-	-	6	-	-	90.5	-	-	67.3	-	-	
19	Region 10	79.8	76.9	82.0	35.2	31.1	39.5	4.4	1.0	10.1	25.4	17.6	39.9	0.5	0.0	1.8	0.4	0.0	1.6	15	4	34	80.7	64.3	92.4	65.0	61.0	67.8	
17	Region 11	80.6	77.2	83.3	34.7	30.8	37.4	5.0	1.4	9.4	23.1	11.8	33.0	0.6	0.2	1.3	0.4	0.0	1.1	9	2	17	80.9	68.3	91.4	65.0	61.9	67.5	
1	Region 12	78.8	-	-	31.7	-	-	10.3	-	-	20.3	-	-	1.2	-	-	1.1	-	-	21	-	-	99.4	-	-	69.5	-	-	
3	Region 13	76.6	74.9	77.7	27.1	25.2	28.9	5.6	2.5	7.4	65.5	61.0	68.1	1.7	1.1	2.2	1.4	0.9	1.8	16	13	19	87.0	76.5	99.9	66.4	63.8	69.5	
7	Region 14	75.7	71.3	78.9	29.6	27.4	32.2	7.7	3.2	10.7	67.8	58.9	74.6	2.0	1.0	5.2	1.6	0.8	3.5	17	12	29	86.2	79.6	93.2	66.2	64.6	67.9	
2	Region 15	75.9	74.1	77.6	30.2	30.0	30.4	5.1	0.9	9.2	67.2	66.4	67.9	2.3	2.0	2.5	1.8	1.7	1.8	19	14	23	71.1	64.7	77.4	62.6	61.0	64.1	
6	Region 16	75.0	72.9	77.5	28.0	22.1	31.2	6.6	3.0	14.7	66.1	50.9	76.2	2.7	3.2	4.6	2.0	0.8	3.9	17	7	28	82.5	73.1	88.4	65.4	63.1	66.8	
3	Region 17	75.8	73.4	77.8	30.4	28.0	32.9	6.8	4.9	9.3	76.3	73.3	78.4	1.4	0.8	2.3	1.1	0.5	2.0	11	4	18	85.5	74.9	97.1	66.1	63.5	68.9	
3	Region 18	76.9	76.1	78.4	30.5	28.6	33.0	9.3	6.5	11.5	66.9	63.0	69.6	1.2	0.7	1.8	0.9	0.5	1.3	10	8	12	86.6	78.8	93.9	66.4	64.5	68.1	
4	Region 19	75.8	72.3	77.9	29.0	22.2	33.3	8.1	0.9	12.8	66.8	60.2	74.0	1.7	0.5	4.0	1.1	0.3	2.3	17	5	29	82.7	71.3	91.9	65.4	62.6	67.6	
5	Region 20	76.6	71.5	78.7	28.9	28.0	30.0	4.2	0.6	8.3	61.9	44.3	68.5	1.8	0.6	3.4	1.3	0.5	2.4	17	5	30	76.0	51.8	85.9	63.8	57.9	66.2	
7	Region 21	77.6	74.7	79.9	30.3	24.5	35.8	7.9	4.3	12.8	66.3	58.6	71.6	0.9	0.4	1.5	0.6	0.2	1.0	11	5	14	80.4	66.1	93.8	64.8	61.4	68.1	
4	Region 22	76.3	75.1	77.8	29.9	28.2	30.8	8.2	5.5	10.6	67.4	64.1	69.9	1.3	0.9	1.9	1.0	0.7	1.3	18	16	21	83.2	74.0	90.1	65.5	63.3	67.2	
3	Region 23	74.5	71.5	77.9	30.4	29.5	31.7	10.4	4.4	15.1	66.8	57.5	71.7	1.5	1.1	1.7	0.9	0.8	1.0	14	10	16	76.0	60.3	89.6	63.8	60.0	67.1	
16	Region 24	76.0	71.7	79.6	32.3	26.5	38.5	6.1	0.8	12.3	69.0	56.7	81.7	1.3	0.3	2.7	1.0	0.2	2.2	15	5	25	83.3	72.9	101.3	65.6	63.0	70.0	
7	Region 25	77.8	76.2	79.5	29.9	27.9	31.0	7.3	3.2	12.4	63.9	57.5	68.4	0.4	0.2	0.8	0.3	0.2	0.5	8	4	12	74.3	64.1	82.7	63.4	60.9	65.4	
27	Region 26	76.7	73.5	80.2	31.0	25.3	34.7	6.8	0.5	16.7	65.2	39.0	74.9	0.9	0.3	3.5	0.6	0.1	2.4	14	3	33	78.4	60.3	107.1	64.3	59.9	71.4	
9	Region 27	77.3	75.4	79.1	30.2	26.7	32.1	9.8	4.0	31.9	64.1	55.5	74.0	1.1	0.3	2.8	0.8	0.2	2.2	14	6	25	83.8	69.3	94.9	65.7	62.2	68.4	
38	Region 28	76.7	71.1	80.8	30.3	22.5	38.3	8.3	1.3	23.2	66.0	24.2	75.2	0.8	0.0	2.2	0.6	0.0	1.7	12	2	31	79.4	57.4	96.0	64.6	59.2	68.7	
29	Region 29	76.6	69.2	79.7	26.5	19.5	32.3	6.9	1.3	16.8	63.5	44.2	85.2	1.0	0.2	4.2	0.7	0.2	2.5	15	4	38	82.3	63.4	93.2	65.3	60.7	68.0	
35	Region 30	77.2	73.7	80.8	31.8	25.7	41.4	13.0	0.9	29.4	67.5	56.1	74.1	0.6	0.0	1.8	0.4	0.0	0.8	14	6	39	77.9	43.6	91.1	64.2	56.0	67.5	
34	Region 31	76.9	73.0	81.1	30.0	22.6	34.8	8.9	2.0	18.6	66.3	48.5	75.6	0.6	0.1	1.9	0.4	0.0	1.3	10	3	30	79.4	67.0	91.2	64.6	61.6	67.5	
31	Region 32	76.2	74.1	79.1	30.5	23.7	34.8	9.6	2.1	19.7	67.5	44.8	77.1	0.7	0.1	1.3	0.5	0.0	0.9	12	3	26	76.3	62.1	85.6	63.9	60.4	66.1	
17	Region 33	76.3	73.9	80.0	28.8	23.3	36.3	5.9	0.0	20.0	62.0	44.8	78.6	0.9	0.0	2.0	0.6	0.0	1.5	15	7	32	71.8	53.6	85.4	62.7	58.3	66.1	
37	Region 34	75.7	69.0	79.4	28.6	21.6	35.6	9.1	2.0	20.7	66.1	46.9	76.0	1.1	0.2	4.2	0.7	0.1	2.2	15	5	35	78.5	59.2	92.4	64.4	59.6	67.8	
10	Region 35	76.5	73.4	78.4	33.0	30.5	39.0	14.3	3.2	33.2	64.3	52.1	73.7	0.8	0.2	1.7	0.6	0.1	1.3	9	4	16	80.8	63.3	95.4	65.0	60.7	68.5	
29	Region 36	77.5	72.2	81.2	33.2	26.1	39.0	8.9	0.0	26.3	65.7	53.5	75.6	1.3	0.5	3.2	0.9	0.4	1.9	14	3	37	79.3	57.6	106.5	64.6	59.4	71.2	
404	Ave. yellow	76.9	69.0	83.3	30.6	19.5	41.4	8.3	0.0	33.2	66.4	24.2	85.2	1.0	0.0	6.5	0.7	0.0	3.9	13	2	39	79.5	43.6	107.1	64.6	56.0	71.4	
	Min. yellow																												
	Max. yellow																												