

TABLE 15: PHYSICAL QUALITY CHARACTERISTICS OF YELLOW MAIZE (2017/2018)

Number of samples	Region	Test weight (kg/ht)			100 kernel mass (g)			Kernel size (%)						Breakage susceptibility (%)						Stress cracks (%)			SAGL Milling index 2018			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.				
15	Region 10	79.9	79.0	80.8	38.1	34.7	40.7	5.5	2.0	9.1	73.4	58.4	78.0	21.1	14.8	39.6	0.3	0.1	0.6	0.2	0.1	0.4	8	3	16	78.6	72.4	84.4	64.4	63.0	65.9	
14	Region 11	79.3	76.8	81.7	34.6	28.9	39.6	9.9	1.4	72.4	66.5	24.2	76.7	23.6	3.4	33.6	0.9	0.2	4.5	0.6	0.2	3.3	8	3	15	75.2	54.4	88.1	63.6	58.6	66.7	
8	Region 12	74.9	59.6	79.0	30.6	15.6	36.1	12.7	0.5	22.3	66.9	37.5	76.6	20.5	7.4	62.0	1.4	0.4	4.7	1.1	0.3	3.2	12	6	25	82.0	41.8	102.4	65.2	55.4	70.2	
8	Region 13	77.1	75.8	78.3	29.1	26.0	33.9	9.5	5.5	20.3	71.1	63.0	75.9	19.4	9.9	28.7	0.9	0.5	1.4	0.6	0.3	0.9	10	6	14	88.9	77.7	95.2	66.9	64.2	68.5	
12	Region 14	77.4	71.9	80.1	31.4	25.0	40.2	13.7	4.0	25.6	67.4	58.8	73.5	18.9	8.0	36.5	1.0	0.0	1.9	0.8	0.0	1.6	11	3	17	86.8	60.2	98.3	66.4	59.9	69.2	
2	Region 15	77.0	75.8	78.1	33.5	32.2	34.7	9.8	5.5	14.1	70.1	65.3	74.8	20.2	11.1	29.2	0.8	0.7	0.9	0.7	0.5	0.8	13	12	14	75.8	61.0	90.6	63.7	60.2	67.3	
5	Region 16	75.8	71.6	78.1	29.1	23.4	34.7	10.3	1.4	20.3	61.7	48.7	74.3	28.0	10.3	49.9	1.2	0.6	2.0	0.9	0.6	1.4	12	2	17	77.4	62.3	93.4	64.1	60.5	68.0	
9	Region 17	76.8	74.3	78.7	30.3	26.8	33.7	14.9	5.8	31.9	66.6	58.5	76.0	18.5	9.6	24.6	1.0	0.2	2.5	0.8	0.1	1.5	12	6	19	84.5	78.4	93.3	65.8	64.4	68.0	
10	Region 18	77.8	76.0	79.5	28.7	26.0	33.8	7.4	3.1	16.9	65.8	60.7	76.0	26.8	15.4	34.0	1.0	0.4	1.5	0.8	0.4	1.1	10	6	19	85.6	78.0	95.3	66.1	64.3	68.4	
9	Region 19	77.6	74.4	80.9	31.1	26.9	33.6	14.7	5.7	31.8	65.6	52.9	74.0	19.7	9.0	41.4	0.8	0.2	2.8	0.5	0.0	1.5	10	5	20	91.4	82.0	99.7	67.5	65.3	69.5	
9	Region 20	77.2	71.3	80.7	30.2	27.0	34.1	11.2	6.7	26.0	67.1	45.2	76.6	21.7	8.0	48.1	1.1	0.3	2.7	0.8	0.1	1.9	10	5	17	78.9	42.2	88.9	64.5	55.5	66.9	
8	Region 21	77.6	76.5	79.2	32.6	29.9	34.3	13.3	5.6	23.8	70.2	64.9	75.3	16.5	11.3	25.6	1.0	0.4	1.8	0.8	0.3	1.5	10	5	19	85.6	76.9	93.0	66.1	64.0	67.9	
5	Region 22	77.4	74.3	79.8	31.9	28.2	36.0	13.7	9.5	15.9	71.0	68.7	72.8	15.3	11.3	18.4	1.1	0.5	1.7	0.8	0.3	1.3	13	7	17	89.1	77.8	99.9	66.9	64.2	69.6	
4	Region 23	78.6	76.6	82.5	30.5	29.2	31.8	10.1	5.9	12.4	67.7	64.2	72.0	22.2	18.1	29.9	0.8	0.6	1.1	0.6	0.4	0.9	10	7	16	85.9	78.8	94.4	66.2	64.5	68.2	
13	Region 24	74.3	69.6	76.5	29.7	21.8	37.4	10.8	3.3	30.9	67.0	59.7	74.1	22.1	5.8	31.9	1.5	0.5	4.0	1.0	0.5	1.9	15	7	33	75.4	61.7	87.8	63.6	60.3	66.6	
1	Region 25	77.5	-	-	32.6	-	-	18.1	-	-	69.9	-	-	12.0	-	-	0.3	-	-	0.3	-	-	11	-	-	83.5	-	-	65.6	-	-	-
14	Region 26	75.5	71.7	78.3	29.4	25.6	33.5	8.8	5.1	13.9	66.0	58.9	75.2	25.2	18.0	35.6	1.1	0.1	2.6	0.7	0.1	1.7	11	4	22	69.0	56.2	80.4	62.1	59.0	64.9	
9	Region 27	76.2	72.9	77.2	29.8	27.3	32.1	9.1	4.6	15.3	66.5	61.9	70.2	24.4	14.5	31.3	1.2	0.2	4.4	0.8	0.2	2.5	14	7	38	74.2	67.0	85.5	63.3	61.6	66.1	
16	Region 28	76.7	73.5	79.3	31.5	27.6	34.6	10.2	1.2	22.2	66.3	60.5	75.5	23.5	15.2	34.6	0.9	0.4	1.8	0.6	0.2	1.1	9	3	18	74.2	64.1	82.4	63.4	60.9	65.3	
50	Region 29	77.7	74.1	81.1	31.6	23.1	39.4	10.3	1.8	54.1	65.5	43.4	78.4	24.2	2.5	48.5	0.7	0.0	2.3	0.5	0.0	1.5	7	2	15	79.0	57.5	93.3	64.5	59.3	68.0	
46	Region 30	76.4	72.2	80.0	30.9	23.4	37.5	11.5	2.5	26.8	66.0	47.3	77.2	22.4	8.6	50.2	0.8	0.0	2.9	0.5	0.0	1.7	8	1	35	77.5	62.1	87.8	64.2	60.4	66.7	
54	Region 31	77.5	73.3	80.5	31.0	21.0	40.5	11.9	0.9	22.2	66.2	44.7	77.7	22.0	10.4	54.0	0.8	0.1	2.7	0.6	0.0	1.8	8	2	19	79.6	69.8	91.2	64.7	62.3	67.5	
66	Region 32	77.0	72.8	81.8	31.6	24.6	38.4	12.0	1.1	23.7	67.1	35.9	82.2	20.9	6.2	60.7	1.1	0.2	4.1	0.8	0.0	2.7	10	3	20	79.0	67.6	95.8	64.5	61.7	68.6	
7	Region 33	76.1	74.8	77.7	29.9	27.6	34.5	11.5	5.9	21.5	65.1	58.5	68.4	23.4	15.7	28.7	0.9	0.4	1.4	0.5	0.1	0.9	4	1	9	75.7	72.2	79.3	63.7	62.9	64.6	
27	Region 34	78.1	74.8	81.0	32.0	29.1	36.1	11.8	4.6	26.7	64.6	52.7	73.2	23.6	9.8	42.7	0.8	0.0	2.1	0.6	0.0	1.5	6	2	11	84.2	72.5	94.7	65.8	62.9	68.3	
6	Region 35	77.8	75.2	78.8	31.7	23.8	37.4	12.3	0.0	29.1	63.0	41.4	71.8	24.7	6.4	58.6	0.8	0.4	1.6	0.6	0.2	1.3	7	3	15	83.6	74.7	94.8	65.6	63.5	68.3	
22	Region 36	77.4	73.8	80.0	33.2	27.9	38.0	9.6	1.6	25.6	67.3	49.8	75.3	23.0	6.5	46.4	1.0	0.0	2.2	0.6	0.0	1.7	11	2	21	75.1	43.1	94.8	63.6	55.8	68.3	
449	Ave. yellow	77.2			31.5			11.1			66.7			22.2			0.9			0.7			9			79.4			64.6			
	Min. yellow	59.6			15.6			0.0			24.2			2.5			0.0			0.0			1			41.8			55.4			
	Max. yellow	82.5			40.7			72.4			82.2			62.0			4.7			4.7			3.3			102.4			70.2			